# Homeowner Meetings Wednesday, October 3, 2007 Richard A. Ellison Senior Citizens Center 2412 West Third Street Dayton, OH 45417

#### **AGENDA**

•	Background Presentation (PowerPoint)	Steve Renninger
9	Review of Sampling Results	Steve Renninger
0	Q&A (as initiated by homeowner)	Appropriate Authority
•	Recommended Next Steps	Steve Renninger
<b>©</b>	Access Agreements	Tom Woods
•	Scheduling of Home Visit/ Next Sampling	Susan Hoertt

#### ATTENDEES IN MEETING

Homeowner(s) and Tenant(s)

Steve Renninger

U.S. EPA

Randy Kirkland

Weston Solutions, Inc.

Greg Stein

ODH

John Coleman

ODH

Mark Case Tom Hutt Public Health – Dayton & Montgomery County Public Health – Dayton & Montgomery County

John Ridd Tom Woods Delphi Delphi

Susan Hoertt

Haley & Aldrich

#### ATTENDEES IN RECEPTION AREA

Rafael Gonzalez

U.S. EPA

Bethany Dale

ETC

Michael Thompson

City of Dayton, Southwest Priority Board



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY CINCINNATI, OHIO 45268

Name:	Ex. 6 P Names, Addresses and phone numbers red
-	of Property: Ex. 6 - 1 ampled
H	Iome Phone # Ex. 6 P Names, Addresses and ph
C	Cell Phone # Ex. 6 P Names, Addresses and p
States Er	to officers, employees, contractors, and authorized representatives of the United avironmental Protection Agency (U.S. EPA) entering and having continued this property for the following purpose:
* C	Conducting monitoring and sampling activities;
enforcem	that these actions taken by U.S. EPA are undertaken pursuant to its response and nent responsibilities under the Comprehensive Environmental Response, sation and Liability Act of 1980, as amended, 42 U.S.C. Section 9601 et seq.
owners o	tten permission is given by me voluntarily, on behalf of myself and all other co- of this property, with knowledge of my right to refuse and without threats or s of any kind.
3 20 Date	Ex. 6 P Names, Addresses and phone numbers r  Signature
Resident	tial Home or Commercial Building Questions:
	re you the Owner or the Tenant of the home or building?  f you are the owner but live at a different address, write your address below:  Owner's Address:
	Home Phone # :
3. D	Cell Phone # No No No
	f yes, does the basement have a concrete slab? Yes No
5. If	Fno, does the basement have a dirt floor? YesNo
	s there a heating or ventilation system in the basement? YesNo

## THE DESIGNATION OF THE PROPERTY OF THE PROPERT

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY CINCINNATI, OHIO 45268

Ex. 6 Pri... Names, Addresses and phone numbers redacted Name Address of Property: To be Sampled Home Phone # Cell Phone # I consent to officers, employees, contractors, and authorized representatives of the United States Environmental Protection Agency (U.S. EPA) entering and having continued access to this property for the following purpose: Conducting monitoring and sampling activities: I realize that these actions taken by U.S. EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. Section 9601 et seq. This written permission is given by me voluntarily, on behalf of myself and all other coowners of this property, with knowledge of my right to refuse and without threats or promises of any kind. Ex. 6 Pri... Names, Addresses and phone numbers redacted Signature Residential Home or Commercial Building Questions: 1. Are you the Owner or the Tenant of the home or building? 2. If you are the owner but live at a different address, write your address below: Owner's Address: Home Phone # Cell Phone # 3. Does the home or building have a basement? Yes 4. If yes, does the basement have a concrete slab? Yes No 5. If no, does the basement have a dirt floor? Yes \_\_\_\_ No \_ 6. Is there a heating or ventilation system in the basement? Yes

#### DELPHI

January 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report – December 2007 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system, and associated sampling activities at the Delphi Home Avenue facility for the month of December, 2007.

#### Background

Delphi began operating the SVE System during daytime hours on April 13, 2006. The system was initially not operated at night due to permit and noise ordinance restrictions. Since July 2007, after completion of several phases of noise modifications to the SVE unit and receipt of an air permit from OEPA, the system has operated on a 24-hour basis.

Total operating time of the system through December 2007 has been 6,292 hours. Since the SVE system has been operating 24 hours a day, operating time has been 3,785 hours and translates to an uptime of approximately 98 percent.

Soil vapor monitoring locations have been sampled in March 2005, May 2005, January 2006, September 2006, and November 2007. VOC concentrations in soil vapor samples have decreased significantly since the beginning of system operation.

#### Vacuum Area of Influence

Vacuum measurements were collected from each monitoring point during the sampling conducted in November 2007. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum contours are depicted on Figure 1 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction December 2007 Monthly Report January 15, 2008

#### Performance Evaluation (December 2007)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 2. Samples collected since July 18, 2007 (start of 24hr/day operation) show on average much higher mass removal rates as seen on the graph included as Figure 2.

Currently four vapor extraction wells (SVE-1, SVE-2, SVE-3, and SVE-4) as shown on Figure 1, are open and connected to the system. The SVE system has removed 1,661 lbs of total VOCs since the system start date to the end of December 2007. During the year 2007, a total of 1,352 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager

W. John Kidd

Delphi Corporation

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction December 2007 Monthly Report January 15, 2008

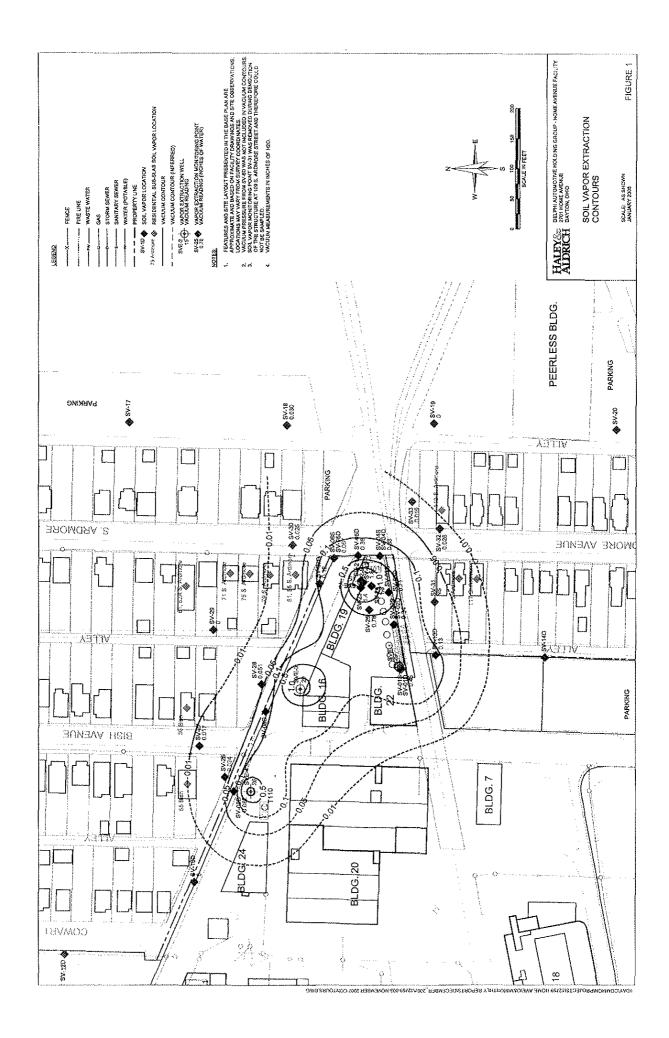
#### Enclosures:

#### **Figures**

- Soil Vapor Extraction Contours Cumulative Mass Removal Chart
- 2

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction December 2007 Monthly Report January 15, 2008

#### **FIGURES**



Date

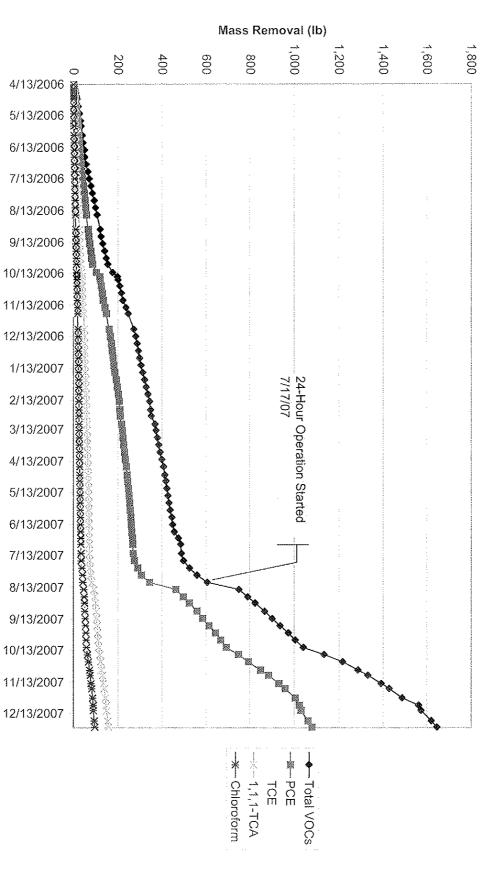
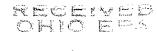


Figure 2. Cumulative Mass Removal





FER I # 2008

GOUTHWEST DISTRIC

February 14, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report – January 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system, and associated sampling activities at the Delphi Home Avenue facility for the month of January, 2008.

#### **SVE System Update**

Operating time of the system for the month of January was 717.3 hours and translates to an uptime of 96.4 %. Total operating time of the system through January 2008 has been 7009 hours. Since the SVE system has been operating 24 hours a day, operating time has been 4475 hours and translates to an uptime of approximately 98 percent.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite monitoring points and select off-site (Peerless Storage) monitoring points in January 2008. Measurements were collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements for January are listed in Table 1.

#### Performance Evaluation (January 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. Samples collected since July 18, 2007 (start of 24hr/day operation) show on average much higher mass removal rates as seen on the graph included as Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report February 14, 2008

The SVE system has removed 1,752 lbs of total VOCs since the system start date to the end of January 2008. During the month of January 2008, a total of 108 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager Delphi Corporation Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report February 14, 2008

#### Enclosures:

#### <u>Table</u>

1 January 2008 SVE Vacuum Monitoring

#### <u>Figures</u>

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
Januarary 2008

Well ID	Location	Jan-08
SV-01S	On-site	0.08
SV-01D	On-site	0.32
SV-02S	On-site	1.80
SV-02D	On-site	0.34
SV-03S	On-site	0.03
SV-03D	On-site	0.64
SV-04S	On-site	0.08
SV-04D	On-site	0.28
SV-05D	On-site	0.40
SV-06S	On-site	0.20
SV-06D	On-site	0.30
SV-07D	On-site	0.10
SV-08D	On-site	NA-NM
SV-09D	On-site	0.11
SV-10D	On-site	0.08
SV-12D	On-site	0.05
SV-13D	On-site	0.16
SV-14D	On-site	0.14
SV-15D	On-site	0.02
SV-17	Off-site	0.03

Well ID	Location	Jan-08
SV-18	Off-site	0.02
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.30
SV-22	On-site	1.70
SV-23	On-site	1.30
SV-24	On-site	1.20
SV-25	On-site	0.68
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-30	Off-site	NM
SV-31	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SVE-1	On-site	VE
SVE-2	On-site	VE
SVE-3	On-site	VE
SVE-4	On-site	VE

#### Notes

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

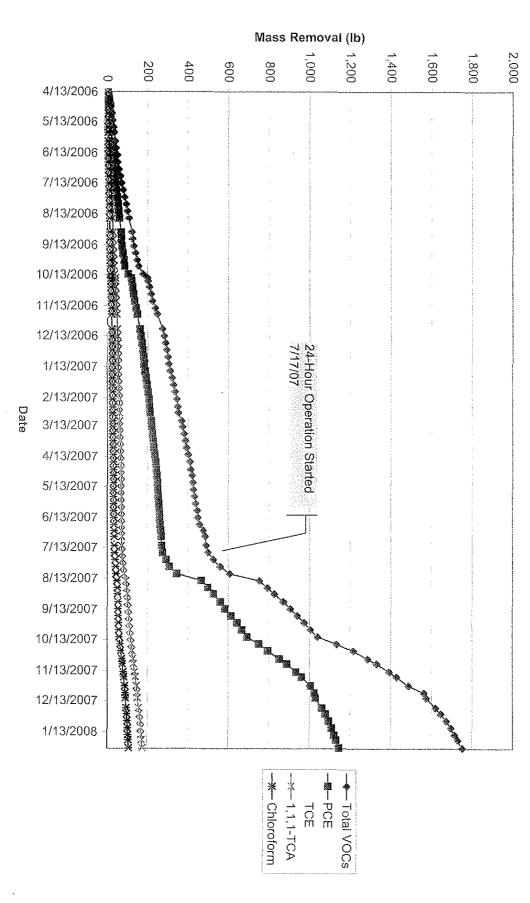
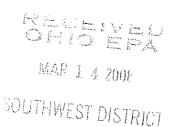


Figure 1. Cumulative Mass Removal



#### DELPHI

March 13, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report – February 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system, and associated sampling activities at the Delphi Home Avenue facility for the month of February, 2008.

#### **SVE System Update**

Operating time of the system for the month of February was 692.1 hours and translates to an uptime of 99.4 %. Total operating time of the system through February 2008 has been 7854.5 hours. Since full time 24 hour operation of the SVE system, operating time has been 5190 hours and translates to an uptime of approximately 98 percent.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite monitoring points in February 2008. Measurements were collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements for February are listed in Table 1.

#### Performance Evaluation (February 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. Samples collected since the start of 24 hr./day operation show on average much higher mass removal rates as seen on the graph included as Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 13, 2008

The SVE system has removed 1,822 lbs of total VOCs since the system start date to the end of February 2008. During the month of February 2008, a total of 70 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

W. John Lidd

Delphi Corporation

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 13, 2008

#### Enclosures:

#### Table

1 February 2008 SVE Vacuum Monitoring

#### Figures

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
February 2008

Well ID	Location	Feb-08
SV-01S	On-site	0.13
SV-01D	On-site	0.49
SV-02S	On-site	0.01
SV-02D	On-site	0.25
SV-03S	On-site	0.01
SV-03D	On-site	0.74
SV-04S	On-site	0.04
SV-04D	On-site	0.17
SV-05D	On-site	0.43
SV-06S	On-site	0.06
SV-06D	On-site	0.03
SV-07D	On-site	0.03
SV-08D	On-site	NA-NM
SV-09D	On-site	0.02
SV-10D	On-site	0.00
SV-12D	On-site	0.22
SV-13D	On-site	0.23
SV-14D	On-site	0.01
SV-15D	On-site	0.03
SVE-1	On-site	VE
SVE-2	On-site	VE
SVE-3	On-site	VE
SVE-4	On-site	VE

#### Notes

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

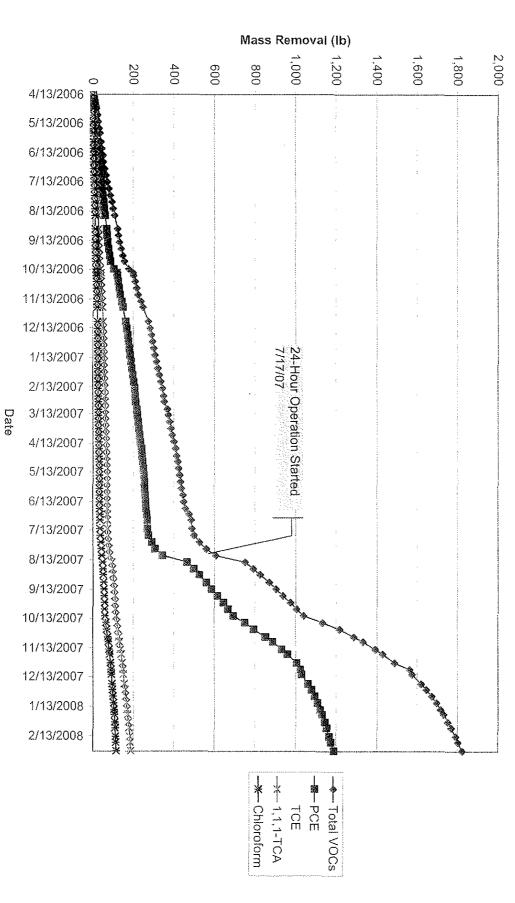


Figure 1. Cumulative Mass Removal

#### DELPHI

April 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report – March 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system, and associated sampling activities at the Delphi Home Avenue facility for the month of March, 2008.

#### **SVE System Update**

Operating time of the system for the month of March was 665.3 hours and translates to an uptime of 89.4 %. Downtime was primarily due to a power outage at the facility. Total operating time of the system through March 2008 has been 7854.5 hours. Since full time 24 hour operation of the SVE system, operating time has been 5855.9 hours and translates to an uptime of approximately 97 percent.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite monitoring points in March 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

#### Performance Evaluation (March 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. Samples collected since the start of 24 hr./day operation show on average higher mass removal rates as seen on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report April 15, 2008

The SVE system has removed approximately 1,862 lbs of total VOCs since the system start date to the end of March 2008. During the month of March 2008, approximately 40 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager

Delphi Corporation

W. John Kidd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report April 15, 2008

#### Enclosures:

#### Table

1 March 2008 SVE Vacuum Monitoring

#### Figures

- 1 Cumulative Mass Removal Chart
- 2 Soil Vapor Extraction Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
March 2008

Well ID	Location	Mar-08
SV-01S	On-site	0.03
SV-01D	On-site	0.36
SV-02S	On-site	0.02
SV-02D	On-site	0.04
SV-03S	On-site	0.02
SV-03D	On-site	0.80
SV-04S	On-site	0.12
SV-04D	On-site	0.35
SV-05D	On-site	0.54
SV-06S	On-site	0.02
SV-06D	On-site	0.01
SV-07D	On-site	0.01
SV-08D	On-site	NA-NM
SV-09D	On-site	0.03
SV-10D	On-site	0.00
SV-12D	On-site	0.01
SV-13D	On-site	0.25
SV-14D	On-site	0.02
SV-15D	On-site	0.01
SV-17	Off-site	0.30

Well ID	Location	Mar-08
SV-18	Off-site	0.25
SV-19	Off-site	0.15
SV-20	Off-site	0.42
SV-21	On-site	2.60
SV-22	On-site	1.90
SV-23	On-site	1.50
SV-24	On-site	1.50
SV-25	On-site	0.86
SV-26	Off-site	0.85
SV-27	Off-site	0.43
SV-28	Off-site	0.50
SV-29	Off-site	0.30
SV-30	Off-site	0.92
SV-32	Off-site	0.85
SV-33	Off-site	0.03
SVE-1	On-site	VE
SVE-2	On-site	VE
SVE-3	On-site	VE
SVE-4	On-site	VE

#### Notes

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

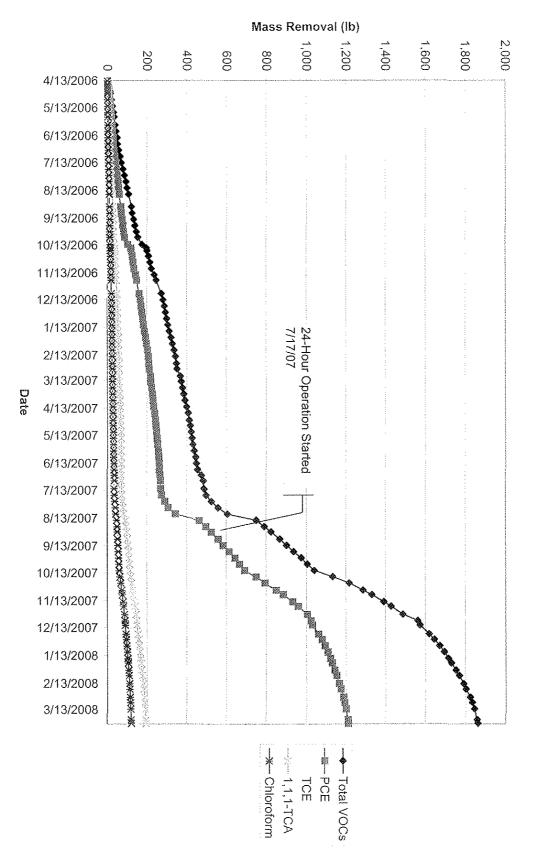
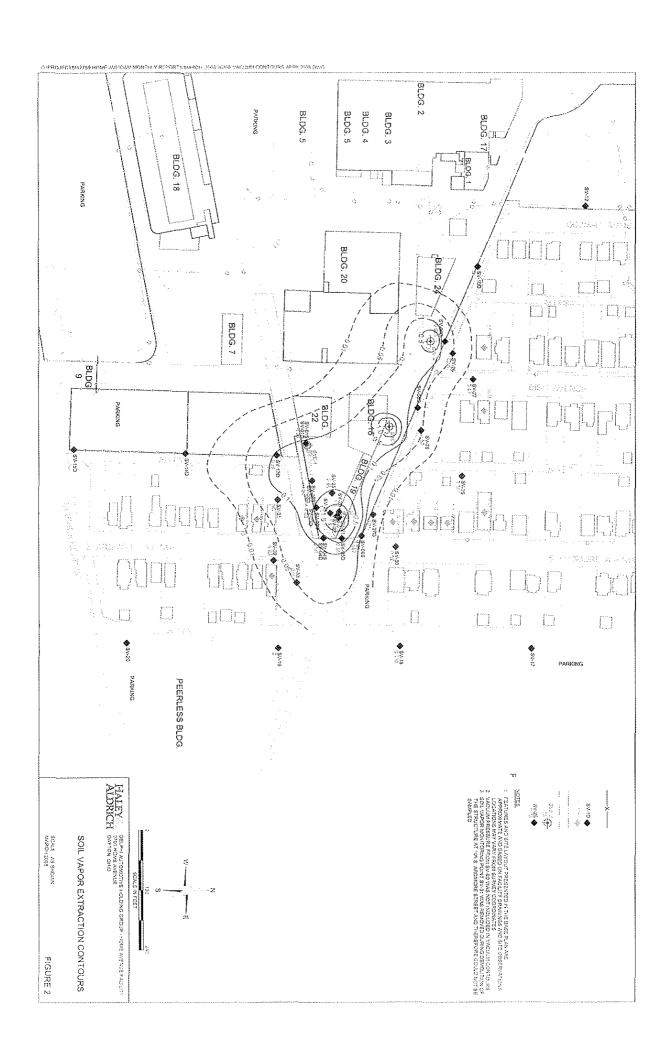


Figure 1. Cumulative Mass Removal



#### DELPHI

May 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report – April 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system, and associated sampling activities at the Delphi Home Avenue facility for the month of April, 2008.

#### **SVE System Update**

Operating time of the system for the month of April was 715.2 hours and translates to an uptime of 99.3 %. Total operating time of the system through April 2008 has been 9211 hours. Since full time 24 hour operation of the SVE system, operating time has been 6571.1 hours and translates to an uptime of approximately 97.4 percent.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite monitoring points in April 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

#### Performance Evaluation (April 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report May 15, 2008

The SVE system has removed approximately 1,898 lbs of total VOCs since the system start date to the end of April 2008. During the month of April 2008, approximately 36 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

Delphi Corporation

W. John Lidd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report May 15, 2008

#### Enclosures:

#### Table

1 March 2008 SVE Vacuum Monitoring

#### **Figures**

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
April 2008

Well ID	Location	Apr-08
SV-01S	On-site	0.07
SV-01D	On-site	0.39
SV-02S	On-site	0.00
SV-02D	On-site	0.75
SV-03S	On-site	0.00
SV-03D	On-site	0.70
SV-04S	On-site	0.11
SV-04D	On-site	0.23
SV-05D	On-site	0.43
SV-06S	On-site	0.26
SV-06D	On-site	0.00
SV-07D	On-site	0.00
SV-08D	On-site	NA-NM
SV-09D	On-site	0.01
SV-10D	On-site	0.01
SV-12D	On-site	0.17
SV-13D	On-site	0.19
SV-14D	On-site	0.01
SV-15D	On-site	0.02
SV-17	Off-site	0.01

Well ID	Location	Apr-08
SV-18	Off-site	0.00
SV-19	Off-site	0.01
SV-20	Off-site	0.01
SV-21	On-site	2.40
SV-22	On-site	1.80
SV-23	On-site	1.20
SV-24	On-site	1.30
SV-25	On-site	0.75
SV-26	Off-site	0.02
SV-27	Off-site	0.01
SV-28	Off-site	0.05
SV-29	Off-site	0.03
SV-30	Off-site	0.02
SV-32	Off-site	0.01
SV-33	Off-site	0.02
SVE-1	On-site	15.00
SVE-2	On-site	23.00
SVE-3	On-site	25.00
SVE-4	On-site	0.00

#### Notes

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

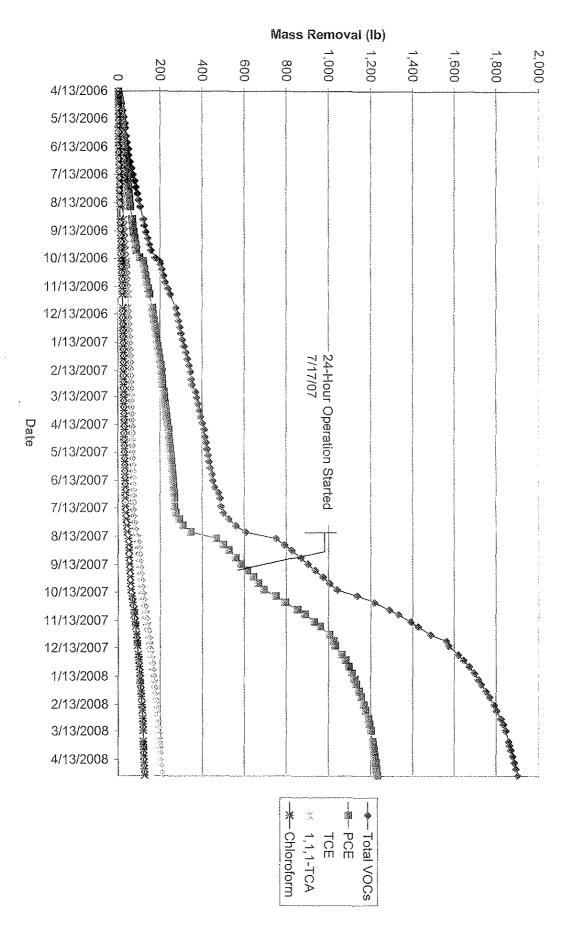


Figure 1. Cumulative Mass Removal

#### DELPHI

June 12, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report -May 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system, and associated sampling activities at the Delphi Home Avenue facility for the month of May, 2008.

#### **SVE System Update**

Operating time of the system for the month of May was 742.8 hours and translates to an uptime of 99 percent. Total operating time of the system through May 2008 has been 9954 hours. Since full time 24 hour operation of the SVE system, operating time has been 7314 hours and translates to an uptime of approximately 97 percent.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite monitoring points in May 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

#### Performance Evaluation (May 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report June 12, 2008

The SVE system has removed approximately 1,931 lbs of total VOCs since the system start date to the end of May 2008. During the month of May 2008, approximately 33 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager

Delphi Corporation

W. John Kidd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report June 12, 2008

#### Enclosures:

#### <u>Table</u>

1 March 2008 SVE Vacuum Monitoring

#### **Figures**

- 1 Cumulative Mass Removal Chart
- 2 Soil Vapor Extraction Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
May 2008

Well ID	Location	May-08
SV-01S	On-site	0.08
SV-01D	On-site	0.40
SV-02S	On-site	0.00
SV-02D	On-site	0.11
SV-03S	On-site	0.00
SV-03D	On-site	0.66
SV-04S	On-site	0.10
SV-04D	On-site	0.22
SV-05D	On-site	0.40
SV-06S	On-site	0.00
SV-06D	On-site	0.00
SV-07D	On-site	0.18
SV-08D	On-site	NA-NM
SV-09D	On-site	0.13
SV-10D	On-site	0.00
SV-12D	On-site	0.10
SV-13D	On-site	0.21
SV-14D	On-site	0.01
SV-15D	On-site	0.00
SV-17	Off-site	0.01

Well ID	Location	May-08
SV-18	Off-site	0.00
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	2.10
SV-22	On-site	1.60
SV-23	On-site	1.40
SV-24	On-site	1.40
SV-25	On-site	0.72
SV-26	Off-site	0.03
SV-27	Off-site	0.01
SV-28	Off-site	0.01
SV-29	Off-site	0.00
SV-30	Off-site	0.00
SV-32	Off-site	0.00
SV-33	Off-site	0.01
SVE-1	On-site	16.00
SVE-2	On-site	12.00
SVE-3	On-site	19.00
SVE-4	On-site	21.50

#### Notes

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

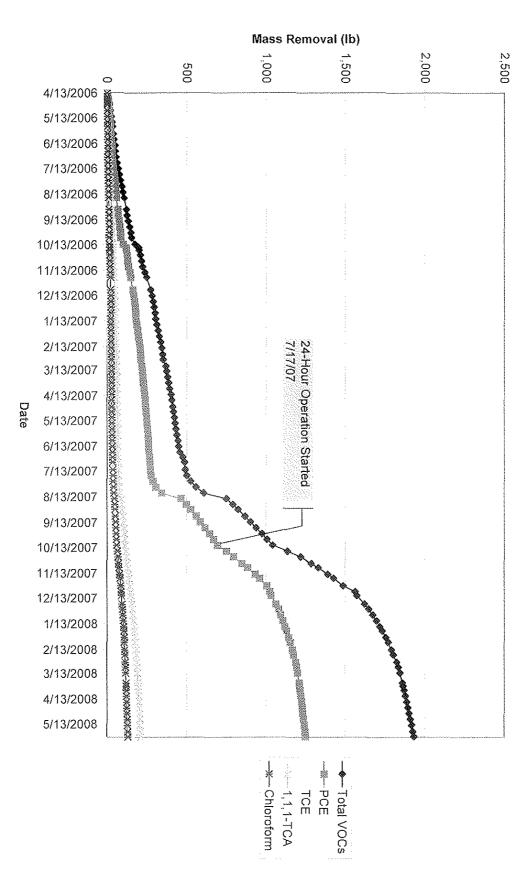
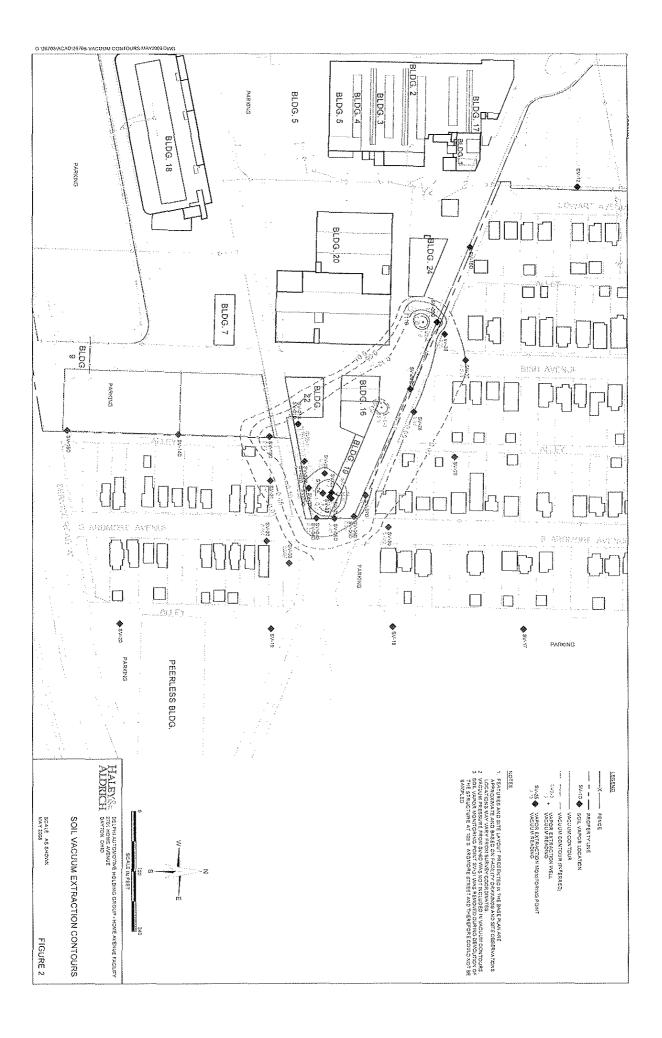
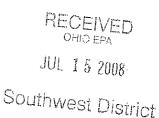


Figure 1. Cumulative Mass Removal





July 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report –June 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system, and associated sampling activities at the Delphi Home Avenue facility for the month of June, 2008.

### SVE System Update

Operating time of the system for the month of June was 719 hours and translates to an uptime of 99.8 %. Total operating time of the system through June 2008 has been 10,673 hours. Since full time 24 hour operation of the SVE system, operating time has been 8,033 hours and translates to an uptime of approximately 97.9 percent.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite monitoring points in June 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (June 2008)

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report July 15, 2008

The SVE system has removed approximately 1,962 lbs of total VOCs since the system start date to the end of June 2008. During the month of June 2008, approximately 31 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

Delphi Corporation

W. John Lidd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report July 15, 2008

### Enclosures:

# Table

1 March 2008 SVE Vacuum Monitoring

# Figures

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
June 2008

Well ID	Location	Jun-08
SV-01S	On-site	0.13
SV-01D	On-site	0.48
SV-02S	On-site	0.03
SV-02D	On-site	0.24
SV-03S	On-site	0.00
SV-03D	On-site	0.62
SV-04S	On-site	0.11
SV-04D	On-site	0.20
SV-05D	On-site	0.35
SV-06S	On-site	0.04
SV-06D	On-site	0.00
SV-07D	On-site	NM
SV-08D	On-site	NA-NM
SV-09D	On-site	0.16
SV-10D	On-site	0.00
SV-12D	On-site	0.18
SV-13D	On-site	0.17
SV-14D	On-site	0.01
SV-15D	On-site	0.00
SV-17	Off-site	NM

Well ID	Location	Jun-08
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.10
SV-22	On-site	1.60
SV-23	On-site	0.60
SV-24	On-site	1.20
SV-25	On-site	0.70
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SVE-1	On-site	14.00
SVE-2	On-site	11.00
SVE-3	On-site	18.00
SVE-4	On-site	20.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

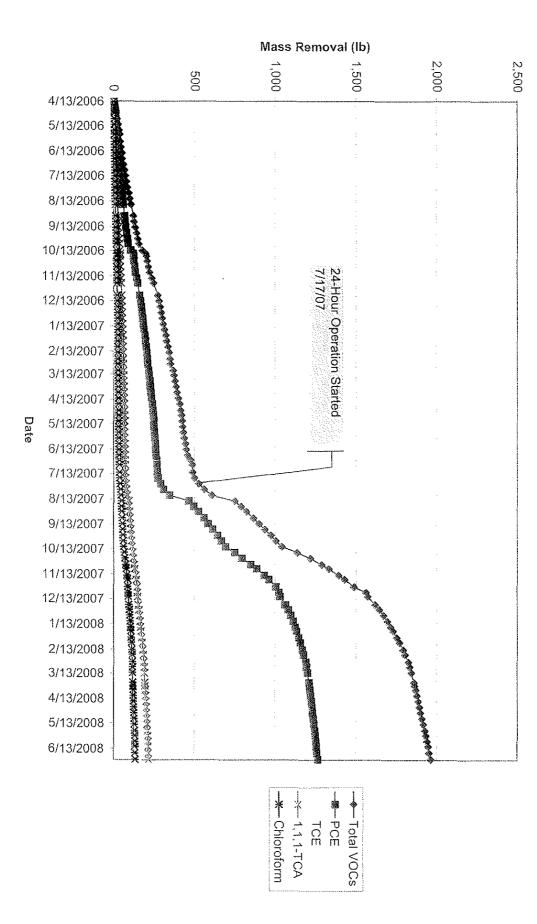


Figure 1. Cumulative Mass Removal

August 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report – July 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of July 2008.

### SVE System Update

Operating time of the system for the month of July was 742 hours and translates to an uptime of 99.8 %. Total operating time of the system through July 2008 has been 11,415 hours. Since full time 24 hour operation of the SVE system, operating time has been 8,775 hours and translates to an uptime of approximately 98 %.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite monitoring points in July 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (July 2008)

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report August 15, 2008

The SVE system has removed approximately 2,012 lbs of total VOCs since the system start date to the end of July 2008. During the month of July 2008, approximately 50 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager

Delphi Corporation

W. John Ridd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report August 15, 2008

### Enclosures:

# Table

1 July 2008 SVE Vacuum Monitoring

# **Figures**

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
July 2008

Well ID	Location	Jun-08
SV-01S	On-site	0.04
SV-01D	On-site	0.44
SV-02S	On-site	0.00
SV-02D	On-site	0.00
SV-03S	On-site	0.00
SV-03D	On-site	0.62
SV-04S	On-site	0.16
SV-04D	On-site	0.13
SV-05D	On-site	0.33
SV-06S	On-site	0.06
SV-06D	On-site	0.00
SV-07D	On-site	0.14
SV-08D	On-site	NA-NM
SV-09D	On-site	0.14
SV-10D	On-site	0.01
SV-12D	On-site	0.08
SV-13D	On-site	0.18
SV-14D	On-site	0.01
SV-15D	On-site	0.00
SV-17	Off-site	NM

Well ID	Location	Jun-08
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.20
SV-22	On-site	1.70
SV-23	On-site	1.30
SV-24	On-site	1.20
SV-25	On-site	0.74
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SVE-1	On-site	15.00
SVE-2	On-site	12.00
SVE-3	On-site	19.00
SVE-4	On-site	20.50

- . 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

500

4/13/2006 5/13/2006 6/13/2006 7/13/2006 8/13/2006 9/13/2006 10/13/2006

11/13/2006 12/13/2006 1/13/2007

2/13/2007 3/13/2007 4/13/2007 5/13/2007 6/13/2007 7/13/2007

8/13/2007 9/13/2007 10/13/2007 11/13/2007 12/13/2007

> 1/13/2008 2/13/2008 3/13/2008 4/13/2008 5/13/2008 6/13/2008 7/13/2008

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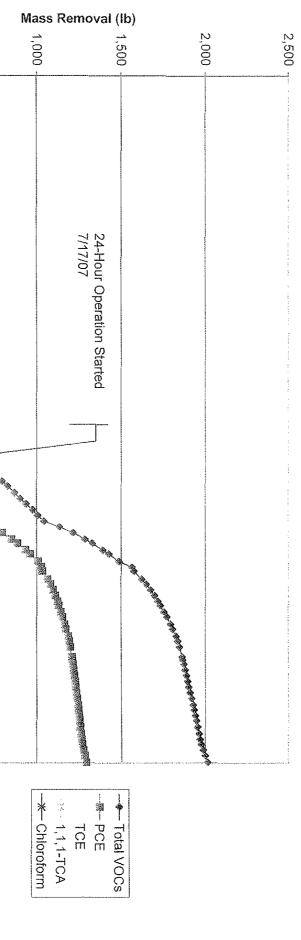


Figure 1. Cumulative Mass Removal

September 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harol

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report -August 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of August 2008.

### SVE System Update

Operating time of the system for the month of August was 741.9 hours and translates to an uptime of 99.7 %. Total operating time of the system through August 2008 has been 12,157 hours. Since full time 24 hour operation of the SVE system, operating time has been 9,517 hours and translates to an uptime of approximately 98 %.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite monitoring points in August 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

## Performance Evaluation (August 2008)

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report September 15, 2008

The SVE system has removed approximately 2,056 lbs of total VOCs since the system start date to the end of July 2008. During the month of August 2008, approximately 38 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

Delphi Corporation

W. John Kidd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report September 15, 2008

### Enclosures:

## Table

1 July 2008 SVE Vacuum Monitoring

## **Figures**

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Extraction Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
August 2008

Well ID	Location	Aug-08
SV-01S	On-site	0.12
SV-01D	On-site	0.45
SV-02S	On-site	0.03
SV-02D	On-site	0.21
SV-03S	On-site	0.00
SV-03D	On-site	0.52
SV-04S	On-site	0.12
SV-04D	On-site	0.20
SV-05D	On-site	0.22
SV-06S	On-site	0.02
SV-06D	On-site	0.04
SV-07D	On-site	0.08
SV-08D	On-site	NA-NM
SV-09D	On-site	0.17
SV-10D	On-site	0.01
SV-12D	On-site	0.06
SV-13D	On-site	0.12
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.00

Well ID	Location	Aug-08
SV-18	Off-site	0.00
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	1.90
SV-22	On-site	1.40
SV-23	On-site	1.20
SV-24	On-site	1.00
SV-25	On-site	0.60
SV-26	Off-site	0.01
SV-27	Off-site	0.01
SV-28	Off-site	0.02
SV-29	Off-site	0.00
SV-30	Off-site	0.01
SV-32	Off-site	NM
SV-33	Off-site	0.00
SVE-1	On-site	14.00
SVE-2	On-site	11.00
SVE-3	On-site	18.00
SVE-4	On-site	19.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

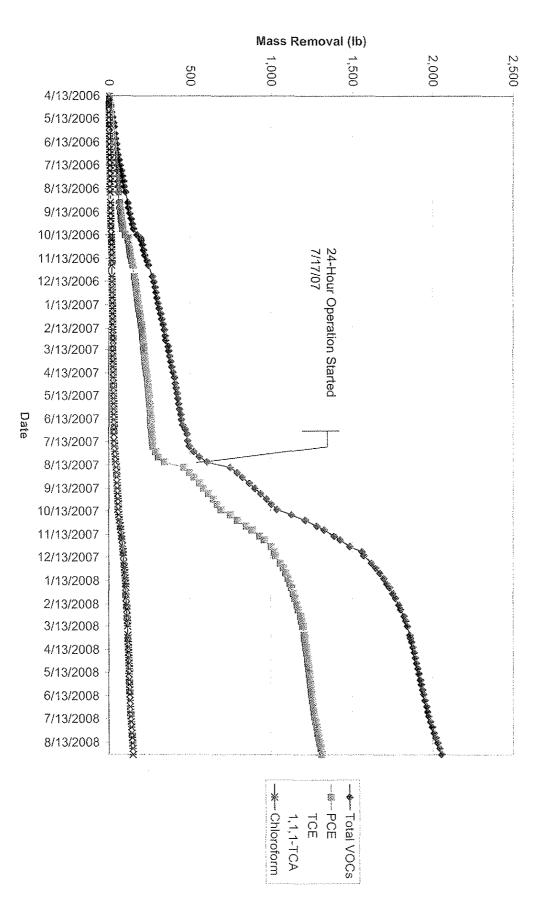


Figure 1. Cumulative Mass Removal

November 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report --October 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of October 2008.

#### **SVE System Update**

Operating time of the system for the month of October was 742.5 hours and translates to an uptime of 99.7 %. Total operating time of the system through October 2008 has been approximately 13,618 hours. Since full time 24 hour operation of the SVE system, operating time has been approximately 10,978 hours and translates to an uptime of approximately 98 %.

#### Vacuum Area of Influence

Vacuum measurements were not collected from onsite monitoring points in October 2008. Delphi conducted a series of vacuum measurements in early November to evaluate system optimization. A site-wide measurement of vacuum readings will be conducted in conjunction with soil vapor sampling planned for November.

#### Performance Evaluation (October 2008)

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report November 15, 2008

The SVE system has removed approximately 2,315 lbs of total VOCs since the system start date to the end of October 2008. During the month of October 2008, approximately 196 lbs of VOCs were extracted by the system.

Please contact me at (937) 455-0941 if you have any questions or require additional information.

Sincerely,

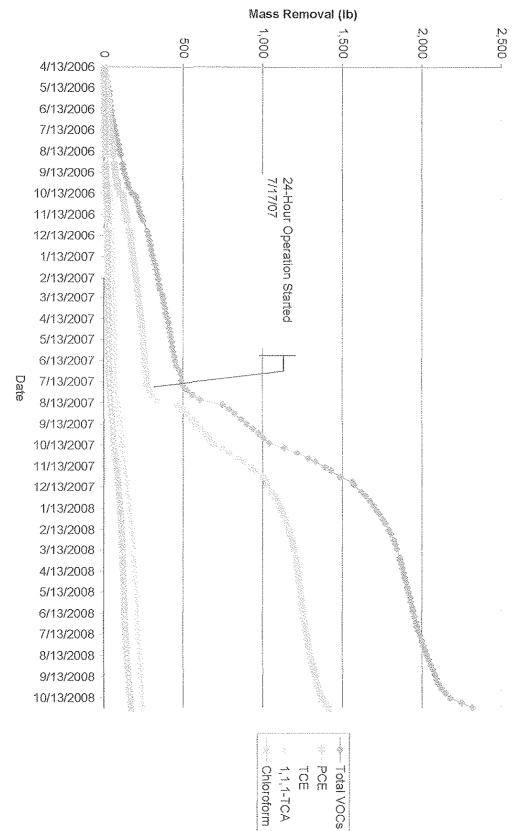
W. John Ridd Project Manager Delphi Corporation Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report November 15, 2008

Enclosures:

## Figures

1 Cumulative Mass Removal Chart

Figure 1. Cumulative Mass Removal



December 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report-November 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of November 2008.

#### SVE System Update

Operating time of the system for the month of November was 718.6 hours and translates to an uptime of 99.8 %. Total operating time of the system through November 2008 has been 14,338 hours. Since full time 24 hour operation of the SVE system, operating time has been 11,698.2 hours and translates to an uptime of approximately 98.4 %.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite monitoring points in November 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

## Performance Evaluation (November 2008)

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report December 15, 2008

The SVE system has removed approximately 2,531 lbs of total VOCs since the system start date to the end of November 2008. During the month of November 2008, approximately 161 lbs of VOCs were extracted by the system.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

Delphi Corporation

W. John Lidd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report December 15, 2008

### Enclosures:

## Table

1 July 2008 SVE Vacuum Monitoring

## <u>Figures</u>

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Extraction Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
November 2008

Well ID	Location	Nov-08
SV-01S	On-site	0.00
SV-01D	On-site	0.28
SV-02S	On-site	0.00
SV-02D	On-site	0.22
SV-03S	On-site	0.00
SV-03D	On-site	0.56
SV-04S	On-site	0.00
SV-04D	On-site	0.00
SV-05D	On-site	0.26
SV-06S	On-site	0.02
SV-06D	On-site	0.08
SV-07D	On-site	0.10
SV-08D	On-site	NA-NM
SV-09D	On-site	0.12
SV-10D	On-site	0.01
SV-12D	On-site	0.03
SV-13D	On-site	0.08
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.00

Well ID	Location	Nov-08
SV-18	Off-site	0.00
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	2.00
SV-22	On-site	1.50
SV-23	On-site	1.10
SV-24	On-site	1.00
SV-25	On-site	0.62
SV-26	Off-site	0.01
SV-27	Off-site	0.01
SV-28	Off-site	NA-NM
SV-29	Off-site	0.00
SV-30	Off-site	0.02
SV-32	Off-site	0.02
SV-33	Off-site	0.01
SVE-1	On-site	13.00
SVE-2	On-site	12.50
SVE-3	On-site	17.00
SVE-4	On-site	18.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

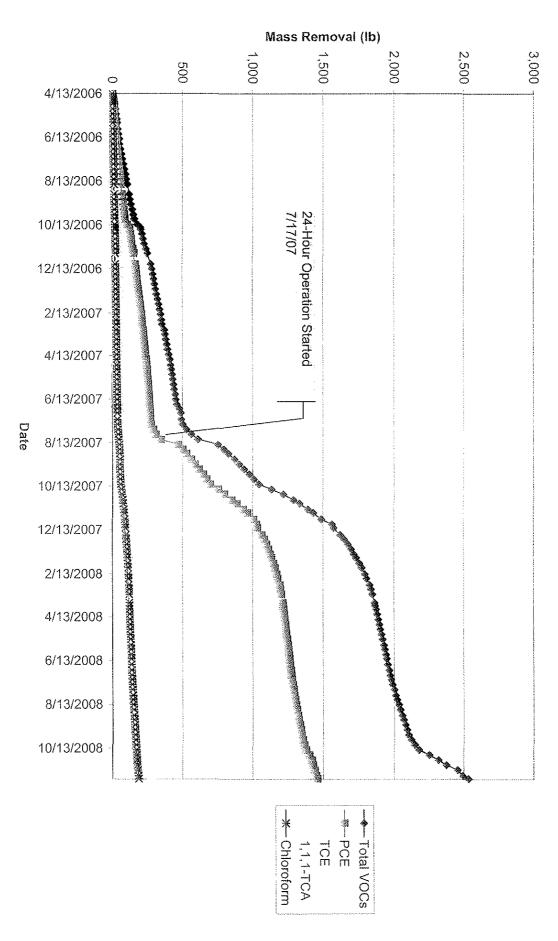
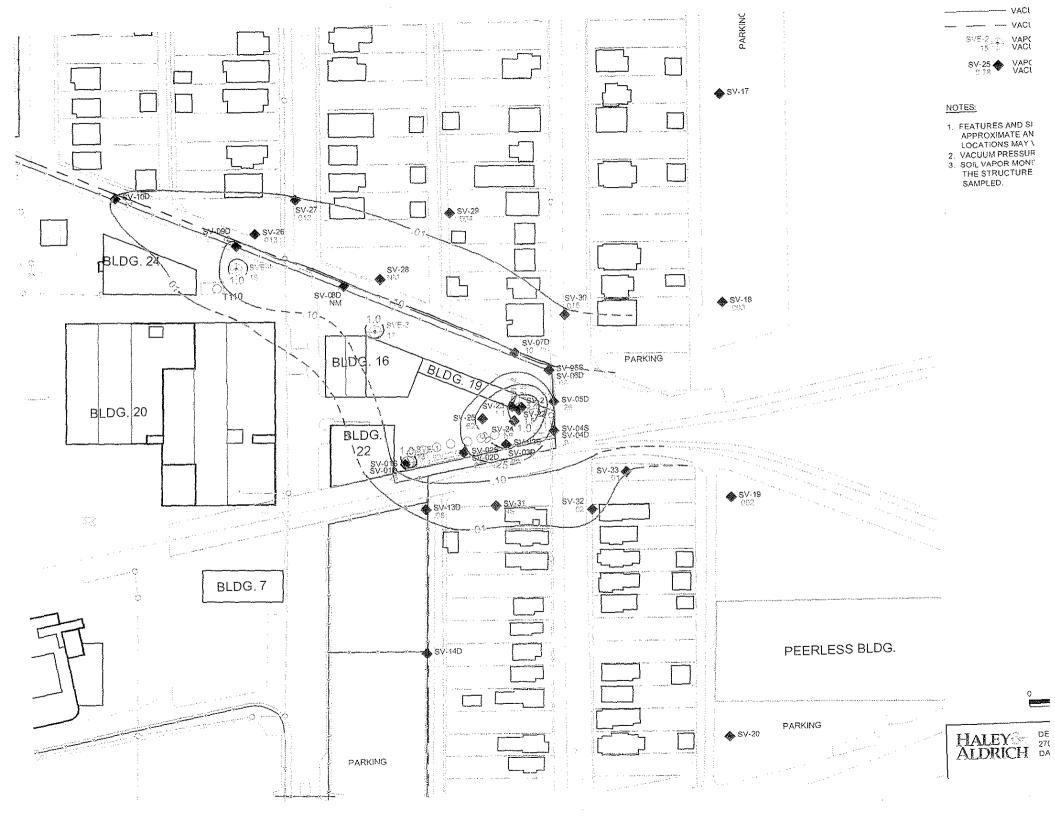


Figure 1. Cumulative Mass Removal



January 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report - December 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of December 2008.

### SVE System Update

Operating time of the system for the month of December was 737.6 hours and translates to an uptime of 99.1 %. Total operating time of the system through December 2008 has been approximately 15,075 hours. Since full time 24 hour operation of the SVE system, operating time has been approximately 12,436 hours and translates to an uptime of approximately 98.5 %.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite monitoring points in December 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (December 2008)

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report January 15, 2009

The SVE system has removed approximately 2,609 lbs of total VOCs since the system start date to the end of December 2008. During the month of December 2008, approximately 39 lbs of VOCs were extracted by the system.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager

Delphi Corporation

W. John Ridd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report January 15, 2009

## Enclosures:

# Table

1 July 2008 SVE Vacuum Monitoring

## Figures

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
December 2008

Well ID	Location	Nov-08
SV-01S	On-site	0.05
SV-01D	On-site	0.35
SV-02S	On-site	0.00
SV-02D	On-site	0.95
SV-03S	On-site	0.00
SV-03D	On-site	0.52
SV-04S	On-site	0.00
SV-04D	On-site	0.18
SV-05D	On-site	0.22
SV-06S	On-site	0.00
SV-06D	On-site	0.00
SV-07D	On-site	0.04
SV-08D	On-site	NA-NM
SV-09D	On-site	0.01
SV-10D	On-site	0.00
SV-12D	On-site	0.20
SV-13D	On-site	0.09
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	

Well ID	Location	Nov-08
SV-18	Off-site	
SV-19	Off-site	
SV-20	Off-site	
SV-21	On-site	2.00
SV-22	On-site	1.50
SV-23	On-site	1.10
SV-24	On-site	1.10
SV-25	On-site	0.62
SV-26	Off-site	
SV-27	Off-site	
SV-28	Off-site	NA-NM
SV-29	Off-site	
SV-30	Off-site	
SV-32	Off-site	
SV-33	Off-site	
SVE-1	On-site	12.00
SVE-2	On-site	11.00
SVE-3	On-site	22.00
SVE-4	On-site	15.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

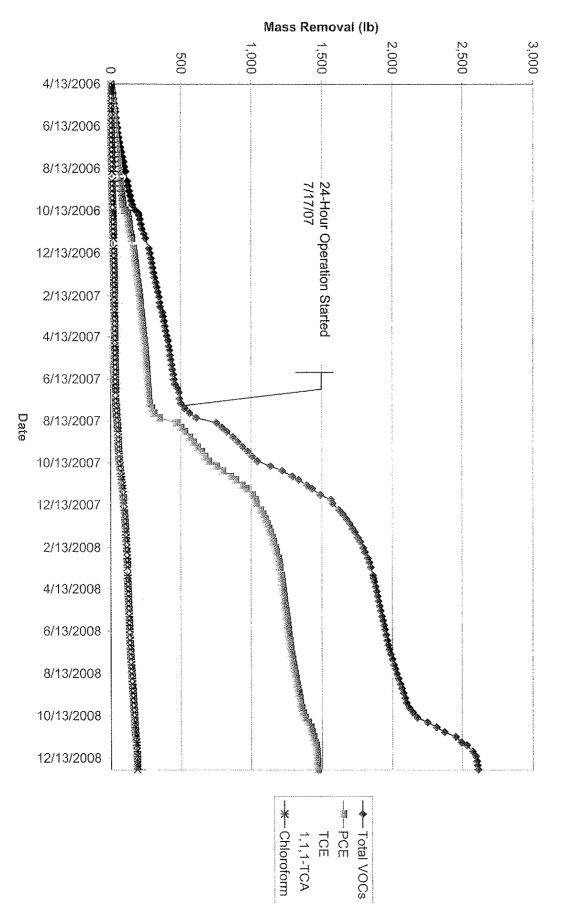


Figure 1. Cumulative Mass Removal

February 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report – January 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of January 2009.

### **SVE System Update**

Operating time of the system for the month of January was 739.7 hours and translates to an uptime of 99.4%. Total operating time of the system through January 2009 has been 15,815 hours. Since full time 24-hour operation of the SVE system, operating time has been 13,176 hours and translates to an uptime of 98.6%.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in January 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (January 2008)

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report February 15, 2009

The SVE system has removed approximately 2,626 lbs of total VOCs since the system start date to the end of January 2009. During the month of January 2009, approximately 17 lbs of VOCs were extracted by the system.

### Planned work (February 2009)

In February 2009 Delphi plans to conduct additional investigation work to further evaluate soil conditions at the site. Delphi intends to use the analytical data to evaluate possible system upgrades to facilitate additional mass removal while assuring continued control of migration of soil vapor.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd W. John Ridd Project Manager

Delphi Corporation

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report February 15, 2009

## Enclosures:

## Table

1 January 2009 SVE Vacuum Monitoring

# Figures

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
Jan-09

Well ID	Location	Jan-09
SV-01S	On-site	NM
SV-01D	On-site	NM
SV-02S	On-site	NM
SV-02D	On-site	NM
SV-03S	On-site	NM
SV-03D	On-site	NM
SV-04S	On-site	NM
SV-04D	On-site	NM
SV-05D	On-site	NM
SV-06S	On-site	NM
SV-06D	On-site	NM
SV-07D	On-site	NM
SV-08D	On-site	NM
SV-09D	On-site	NA
SV-10D	On-site	NM
SV-12D	On-site	NM
SV-13D	On-site	NM
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM

Well ID	Location	Jan-09
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	NM
SV-22	On-site	NM
SV-23	On-site	NM
SV-24	On-site	NM
SV-25	On-site	NM
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SVE-1	On-site	13.00
SVE-2	On-site	12.00
SVE-3	On-site	18.00
SVE-4	On-site	18.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

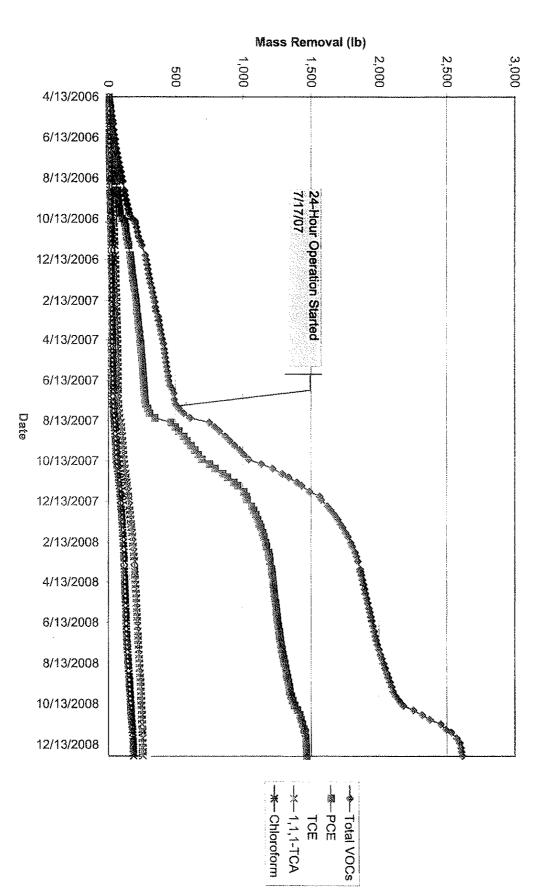


Figure 1. Cumulative Mass Removal

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 13, 2009

# DELPHI

March 13, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report – February 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of February 2009.

#### **SVE System Update**

Operating time of the system for the month of January was 739.7 hours and translates to an uptime of 99.4%. Total operating time of the system through January 2009 has been 15,815 hours. Since full time 24-hour operation of the SVE system, operating time has been 13,176 hours and translates to an uptime of 98.6%.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in February 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

## Performance Evaluation (February 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 13, 2009

The SVE system has removed approximately 2,644 lbs of total VOCs since the system start date to the end of February 2009. During the month of February 2009, approximately 16 lbs of VOCs were extracted by the system.

## Additional Work Performed (February 2009)

The additional work presented in the January 2009 report was conducted. The performed work scope included additional investigation to further evaluate soil conditions at the site. Also, nine new soil vapor monitoring points were installed and four damaged monitoring points were replaced. Delphi intends to use the analytical data to evaluate possible system upgrades to facilitate additional mass removal while assuring continued control of migration of soil vapor.

Please contact John Ridd at (937) 356-2445 or myself at (248) 813-1428 if you have any questions or require additional information.

Sincerely,

James Hunt

Manager, Global Remediation Services

James Hot

Delphi Corporation

Enclosures:

Table

1 January 2009 SVE Vacuum Monitoring

<u>Figures</u>

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
Feb-09

Well ID	Location	Jan-09
SV-01S	On-site	0.01
SV-01D	On-site	0.34
SV-02S	On-site	0.00
SV-02D	On-site	0.18
SV-03S	On-site	0.00
SV-03D	On-site	0.60
SV-04S	On-site	0.00
SV-04D	On-site	0.24
SV-05D	On-site	0.32
SV-06S	On-site	0.00
SV-06D	On-site	0.00
SV-07D	On-site	0.09
SV-08D	On-site	NA
SV-09D	On-site	0.12
SV-10D	On-site	0.00
SV-12D	On-site	0.16
SV-13D	On-site	0.10
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	NM

Well ID	Location	Jan-09
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.05
SV-22	On-site	1.50
SV-23	On-site	1.25
SV-24	On-site	1.10
SV-25	On-site	0.62
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SVE-1	On-site	12.00
SVE-2	On-site	12.00
SVE-3	On-site	18.00
SVE-4	On-site	17.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

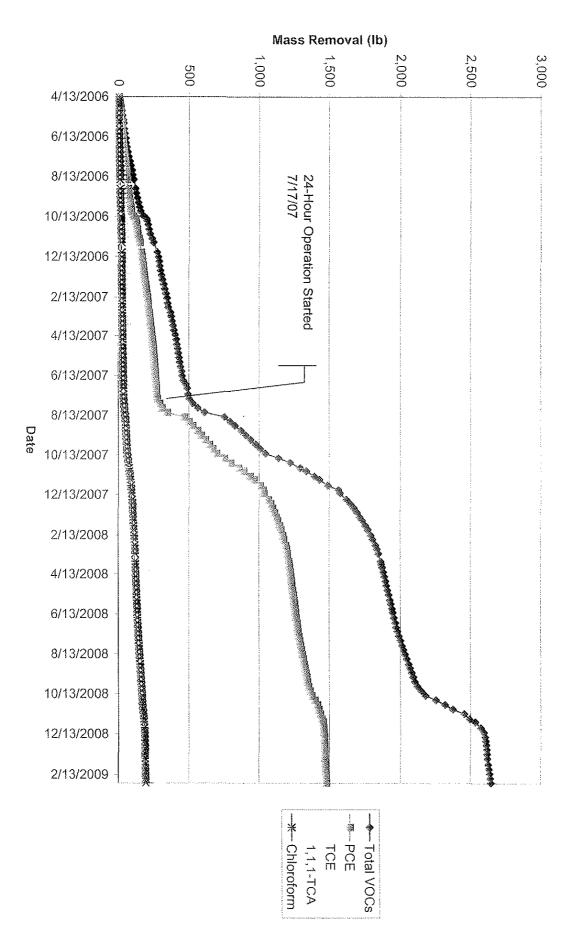


Figure 1. Cumulative Mass Removal

April 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report -March 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of March 2009.

#### SVE System Update

Operating time of the system for the month of March was 739.8 hours and translates to an uptime of 99.4%. Total operating time of the system through March 2009 has been approximately 17,223 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 14,584 hours and translates to an uptime of approximately 98.6%.

### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite vapor extraction points in March 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

### Performance Evaluation (March 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,663 lbs of total VOCs since the system start date to the end of March 2009. During the month of March 2009, approximately 19 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 15, 2009

### **Additional Work Performed**

Delphi is currently reviewing data collected during the additional investigation to further evaluate soil conditions at the site. Data from the nine new soil vapor monitoring points and four replaced monitoring points is reported in Table 1 and Figure 2. As previously reported, Delphi intends to use the analytical data to evaluate possible system upgrades to facilitate additional mass removal while assuring continued control of migration of soil vapor.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

W. John Ridd

Enclosures:

## Table

1 January 2009 SVE Vacuum Monitoring

## Figures

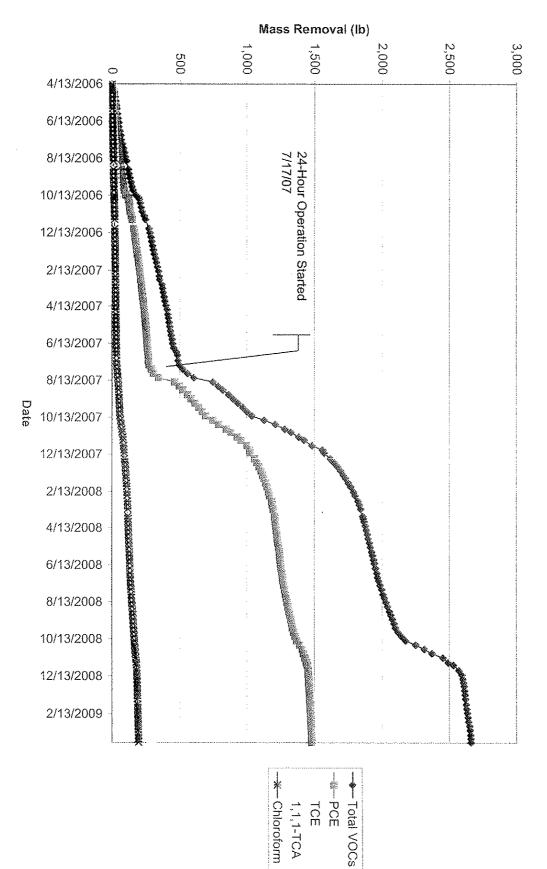
- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Extraction Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
March 2009

Well ID	Location	Mar-09
SV-01S	On-site	0.08
SV-01D	On-site	0.38
SV-02S	On-site	0.00
SV-02D	On-site	0.27
SV-03S	On-site	0.00
SV-03D	On-site	0.56
SV-04S	On-site	0.05
SV-04D	On-site	0.27
SV-05D	On-site	0.36
SV-06S	On-site	0.00
SV-6DR	On-site	0.23
SV-06D	On-site	NM
SV-07D	On-site	0.10
SV-08DR	On-site	0.10
SV-09D	On-site	0.16
SV-10D	On-site	0.00
SV-12DR	On-site	0.02
SV-13D	On-site	0.17
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.00
SV-18	Off-site	0.00
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	2.10

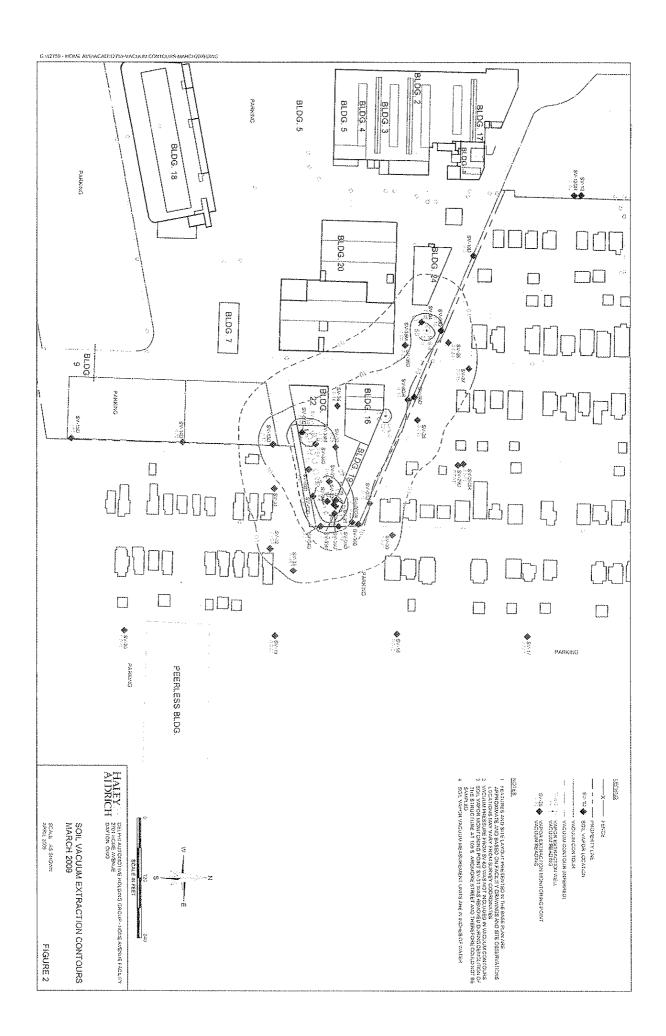
Well ID	Location	Mar-09
SV-22	On-site	1.60
SV-23	On-site	1.20
SV-24	On-site	1.10
SV-25	On-site	0.64
SV-26	Off-site	0.02
SV-27	Off-site	0.02
SV-28	Off-site	0.05
SV-29	Off-site	NM
SV-29DR	Off-site	0.00
SV-30	Off-site	0.03
SV-32	Off-site	0.02
SV-33	Off-site	0.02
SV-34	On-site	0.46
SV-35M	On-site	0.08
SV-35D	On-site	0.09
SV-36	On-site	0.18
SV-37	On-site	0.25
SV-38M	On-site	0.32
SV-38D	On-site	0.48
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	14.00
VE-2	On-site	12.00
VE-3	On-site	22.00
VE-4	On-site	20.50

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well



TCE 1,1,1-TCA

Figure 1. Cumulative Mass Removal



May 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report –April 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of April 2009.

#### **SVE System Update**

Operating time of the system for the month of April was 717.6 hours and translates to an uptime of 99.7 %. Total operating time of the system through April 2009 has been approximately 17,941hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 15,301 hours and translates to an uptime of approximately 98.7%.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in April 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

#### Performance Evaluation (April 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,673 lbs of total VOCs since the system start date to the end of April 2009. During the month of April 2009, approximately 10 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report May 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,
Wyohn Kidd

W. John Ridd Project Manager Delphi Corporation

Enclosures:

Table

1 April 2009 SVE Vacuum Monitoring

Figures

Cumulative Mass Removal Chart

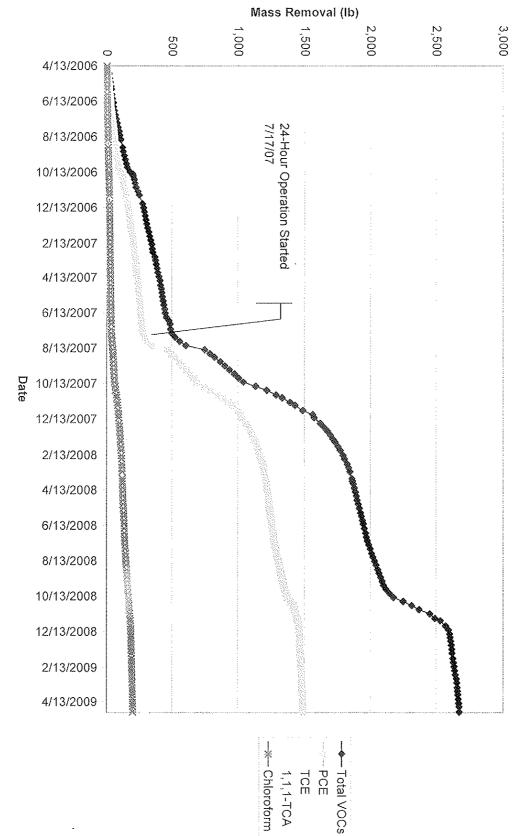
Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
April 2009

Well ID	Location	Apr-09
SV-01S	On-site	0.09
SV-01D	On-site	0.41
SV-02S	On-site	0.02
SV-02D	On-site	0.19
SV-03S	On-site	0.00
SV-03D	On-site	0.60
SV-04S	On-site	0.00
SV-04D	On-site	0.28
SV-05D	On-site	0.37
<b>SV</b> -06S	On-site	NM
SV-6DR	On-site	0.23
SV-06D	On-site	NM
SV-07D	On-site	0.10
SV-08DR	On-site	0.10
SV-09D	On-site	0.13
SV-10D	On-site	0.01
SV-12DR	On-site	NM
SV-13D	On-site	0.19
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.10

Well ID	Location	Apr-09
SV-22	On-site	1.60
SV-23	On-site	1.30
SV-24	On-site	1.20
SV-25	On-site	0.70
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.43
SV-35M	On-site	0.05
SV-35D	On-site	0.08
SV-36	On-site	0.21
SV-37	On-site	0.30
SV-38M	On-site	0.39
SV-38D	On-site	0.52
SV-39M	On-site	1.10
SV-39D	On-site	1.30
VE-1	On-site	13.00
VE-2	On-site	12.00
VE-3	On-site	20.00
VE-4	On-site	20.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well





1,1,1-TCA

June 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report – May 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of May 2009.

### **SVE System Update**

Operating time of the system for the month of May was 736.2 hours and translates to an uptime of 99.0 %. Total operating time of the system through May 2009 has been approximately 18,676.8 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 16,037 hours and translates to an uptime of approximately 98.7%. The SVE system was shut down on May 9, 2009 for approximately 7 hrs due to a power interruption.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in May 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (May 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,683 lbs of total VOCs since the system start date to the end of May 2009. During the month of May 2009, approximately 10 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report June 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

Enclosures:

Table

1 May 2009 SVE Vacuum Monitoring

Figures

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
May 2009

Well ID	Location	May-09
SV-01S	On-site	0.10
SV-01D	On-site	0.41
SV-02S	On-site	0.04
SV-02D	On-site	0.23
SV-03S	On-site	0.01
SV-03D	On-site	0.56
SV-04S	On-site	0.05
SV-04D	On-site	0.20
SV-05D	On-site	0.33
SV-06S	On-site	NM
SV-6DR	On-site	0.02
SV-06D	On-site	NM
SV-07D	On-site	0.06
SV-08DR	On-site	0.12
SV-09D	On-site	0.21
SV-10D	On-site	0.00
SV-12DR	On-site	0.01
SV-13D	On-site	0.18
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.00

Well ID	Location	May-09
SV-22	On-site	1.50
SV-23	On-site	1.20
SV-24	On-site	1.10
SV-25	On-site	0.66
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.66
SV-35M	On-site	0.07
SV-35D	On-site	0.09
SV-36	On-site	0.24
SV-37	On-site	0.30
SV-38M	On-site	0.38
SV-38D	On-site	0.52
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	14.00
VE-2	On-site	10.00
VE-3	On-site	17.00
VE-4	On-site	17.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

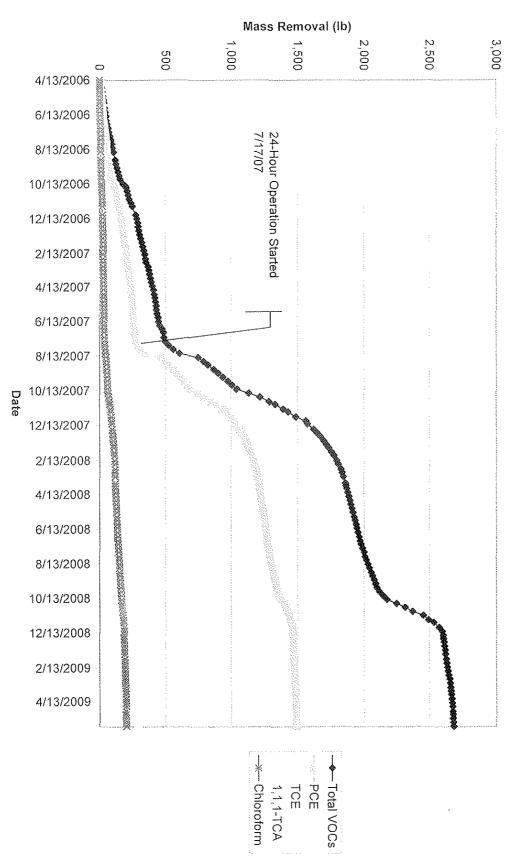


Figure 1. Cumulative Mass Removal

July 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention: Mr. Harold O'Connell, Supervisor

Subject: Soil Vapor Extraction System Operations

Monthly Report –June 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of June 2009.

#### **SVE System Update**

Operating time of the system for the month of June was 719.3 hours and translates to an uptime of 99.9%. Total operating time of the system through June 2009 has been approximately 19,396 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 16,757 hours and translates to an uptime of 98.7%.

#### Vacuum Area of Influence

Vacuum measurements were collected from on and offsite vapor extraction points in June 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

#### Performance Evaluation (June 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,698 lbs of total VOCs since the system start date to the end of June 2009. During the month of June 2009, approximately 12 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report July 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

### Enclosures:

## Table

1 June 2009 SVE Vacuum Monitoring

## Figures

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
June 2009

Well ID	Location	Jun-09
SV-01S	On-site	0.12
SV-01D	On-site	0.43
SV-02S	On-site	0.03
SV-02D	On-site	0.21
SV-03S	On-site	0.00
SV-03D	On-site	0.53
SV-04S	On-site	0.00
SV-04D	On-site	0.20
SV-05D	On-site	0.33
SV-06S	On-site	NM
SV-6DR	On-site	0.21
SV-06D	On-site	NM
SV-07D	On-site	0.00
SV-08DR	On-site	0.08
SV-09D	On-site	0.20
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.16
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.01
SV-18	Off-site	0.01
SV-19	Off-site	0.00
SV-20	Off-site	0.02
SV-21	On-site	2.00

Well ID	Location	Jun-09
SV-22	On-site	1.50
SV-23	On-site	1.20
SV-24	On-site	1.10
SV-25	On-site	0.62
SV-26	Off-site	0.02
SV-27	Off-site	0.01
SV-28	Off-site	0.05
SV-29	Off-site	NM
SV-29DR	Off-site	0.03
SV-30	Off-site	0.02
SV-32	Off-site	0.01
SV-33	Off-site	0.00
SV-34	On-site	0.64
SV-35M	On-site	0.03
SV-35D	On-site	0.06
SV-36	On-site	0.21
SV-37	On-site	0.30
SV-38M	On-site	0.37
SV-38D	On-site	0.52
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	NM
VE-2	On-site	NM
VE-3	On-site	NM
VE-4	On-site	NM

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

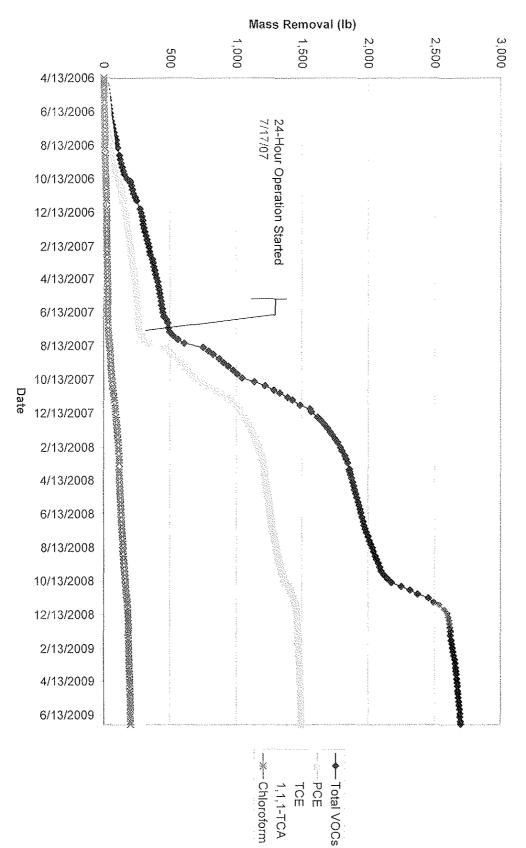
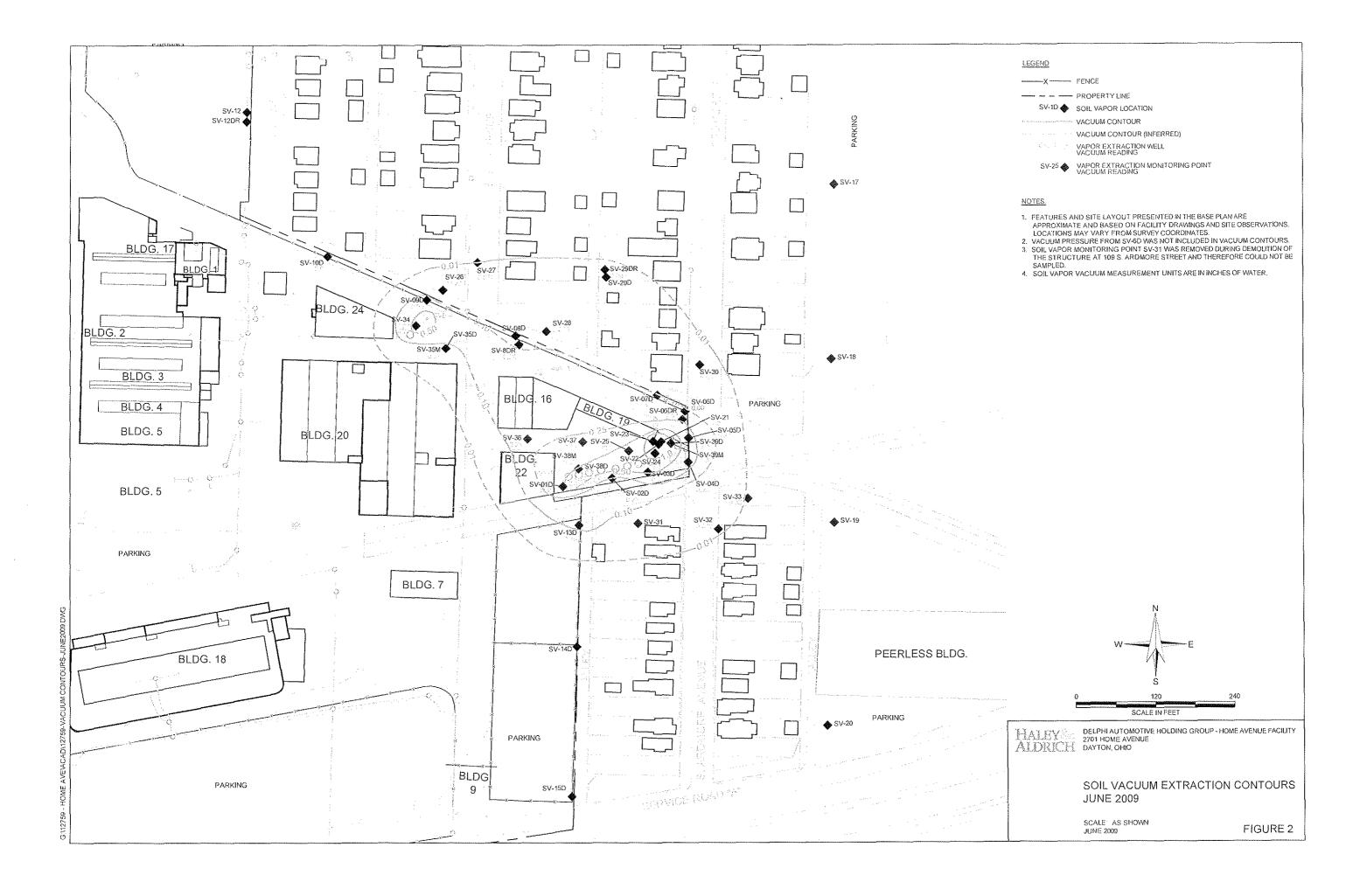


Figure 1. Cumulative Mass Removal



December 15, 2008

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report-November 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of November 2008.

## **SVE System Update**

Operating time of the system for the month of November was 718.6 hours and translates to an uptime of 99.8 %. Total operating time of the system through November 2008 has been 14,338 hours. Since full time 24 hour operation of the SVE system, operating time has been 11,698.2 hours and translates to an uptime of approximately 98.4 %.

### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite monitoring points in November 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

### Performance Evaluation (November 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report December 15, 2008

The SVE system has removed approximately 2,531 lbs of total VOCs since the system start date to the end of November 2008. During the month of November 2008, approximately 161 lbs of VOCs were extracted by the system.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

W. John Lidd

Delphi Corporation

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report December 15, 2008

## Enclosures:

## Table

1 July 2008 SVE Vacuum Monitoring

# Figures

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Extraction Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
November 2008

Well ID	Location	Nov-08
SV-01S	On-site	0.00
SV-01D	On-site	0.28
SV-02S	On-site	0.00
SV-02D	On-site	0.22
SV-03S	On-site	0.00
SV-03D	On-site	0.56
SV-04S	On-site	0.00
SV-04D	On-site	0.00
SV-05D	On-site	0.26
SV-06S	On-site	0.02
SV-06D	On-site	0.08
SV-07D	On-site	0.10
SV-08D	On-site	NA-NM
SV-09D	On-site	0.12
SV-10D	On-site	0.01
SV-12D	On-site	0.03
SV-13D	On-site	0.08
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.00

Well ID	Location	Nov-08
SV-18	Off-site	0.00
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	2.00
SV-22	On-site	1.50
SV-23	On-site	1.10
SV-24	On-site	1.00
SV-25	On-site	0.62
SV-26	Off-site	0.01
SV-27	Off-site	0.01
SV-28	Off-site	NA-NM
SV-29	Off-site	0.00
SV-30	Off-site	0.02
SV-32	Off-site	0.02
SV-33	Off-site	0.01
SVE-1	On-site	13.00
SVE-2	On-site	12.50
SVE-3	On-site	17.00
SVE-4	On-site	18.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

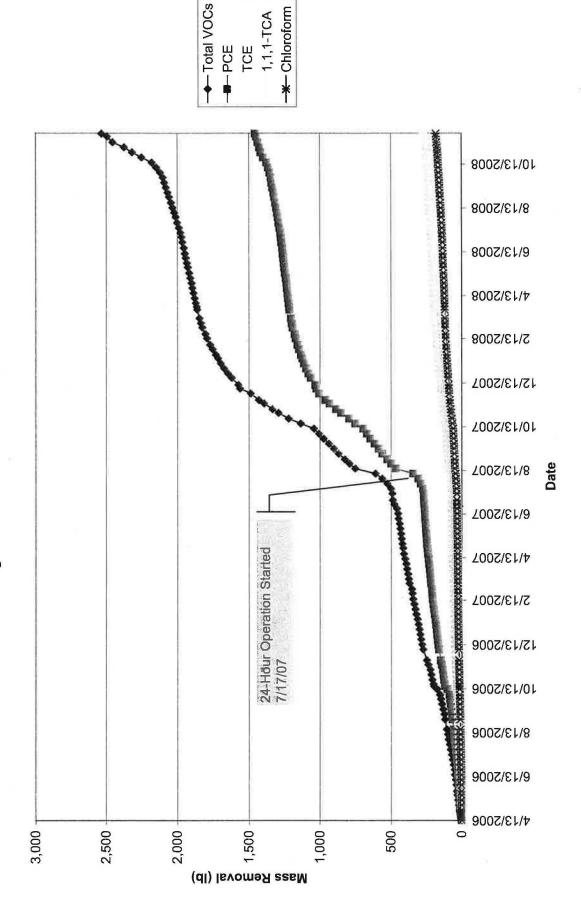
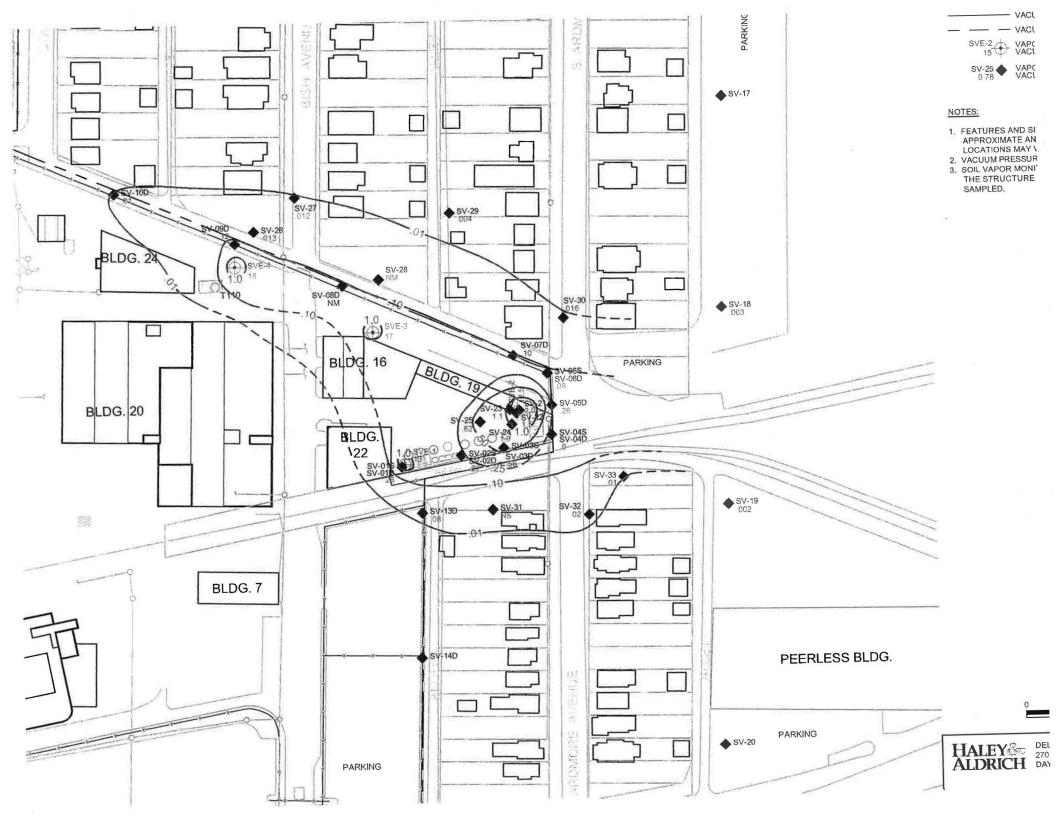


Figure 1. Cumulative Mass Removal



January 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report -December 2008 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of December 2008.

## **SVE System Update**

Operating time of the system for the month of December was 737.6 hours and translates to an uptime of 99.1 %. Total operating time of the system through December 2008 has been approximately 15,075 hours. Since full time 24 hour operation of the SVE system, operating time has been approximately 12,436 hours and translates to an uptime of approximately 98.5 %.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite monitoring points in December 2008. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

## Performance Evaluation (December 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report January 15, 2009

The SVE system has removed approximately 2,609 lbs of total VOCs since the system start date to the end of December 2008. During the month of December 2008, approximately 39 lbs of VOCs were extracted by the system.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

Delphi Corporation

W. John Lidd

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report January 15, 2009

## Enclosures:

# Table

July 2008 SVE Vacuum Monitoring

# Figures

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
December 2008

Well ID	Location	Nov-08
SV-01S	On-site	0.05
SV-01D	On-site	0.35
SV-02S	On-site	0.00
SV-02D	On-site	0.95
SV-03S	On-site	0.00
SV-03D	On-site	0.52
SV-04S	On-site	0.00
SV-04D	On-site	0.18
SV-05D	On-site	0.22
SV-06S	On-site	0.00
SV-06D	On-site	0.00
SV-07D	On-site	0.04
SV-08D	On-site	NA-NM
SV-09D	On-site	0.01
SV-10D	On-site	0.00
SV-12D	On-site	0.20
SV-13D	On-site	0.09
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	

Well ID	Location	Nov-08
SV-18	Off-site	
SV-19	Off-site	
SV-20	Off-site	
SV-21	On-site	2.00
SV-22	On-site	1.50
SV-23	On-site	1.10
SV-24	On-site	1.10
SV-25	On-site	0.62
SV-26	Off-site	
SV-27	Off-site	
SV-28	Off-site	NA-NM
SV-29	Off-site	
SV-30	Off-site	
SV-32	Off-site	
SV-33	Off-site	
SVE-1	On-site	12.00
SVE-2	On-site	11.00
SVE-3	On-site	22.00
SVE-4	On-site	15.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

► Total VOCs -\*-Chloroform 1,1,1-TCA TCE ■ PCE 12/13/2008 10/13/2008 8/13/2008 8/13/2008 4/13/2008 2/13/2008 12/13/2007 10/13/2007 8/13/2007 6/13/2007 4/13/2007 24-Hour Operation Started 7/17/07 2/13/2007 12/13/2006 10/13/2006 8/13/2006 6/13/2006 4/13/2006 200 3,000 2,500 2,000 1,500 1,000 Mass Removal (lb)

Figure 1. Cumulative Mass Removal

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February 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report - January 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of January 2009.

1 13

#### **SVE System Update**

Operating time of the system for the month of January was 739.7 hours and translates to an uptime of 99.4%. Total operating time of the system through January 2009 has been 15,815 hours. Since full time 24-hour operation of the SVE system, operating time has been 13,176 hours and translates to an uptime of 98.6%.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in January 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

## Performance Evaluation (January 2008)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report February 15, 2009

The SVE system has removed approximately 2,626 lbs of total VOCs since the system start date to the end of January 2009. During the month of January 2009, approximately 17 lbs of VOCs were extracted by the system.

## Planned work (February 2009)

In February 2009 Delphi plans to conduct additional investigation work to further evaluate soil conditions at the site. Delphi intends to use the analytical data to evaluate possible system upgrades to facilitate additional mass removal while assuring continued control of migration of soil vapor.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager

Delphi Corporation

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report February 15, 2009

## Enclosures:

# **Table**

1 January 2009 SVE Vacuum Monitoring

# **Figures**

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
Jan-09

Well ID	Location	Jan-09
SV-01S	On-site	NM
\$V-01D	On-site	NM
SV-02S	On-site	NM
SV-02D	On-site	NM
SV-03S	On-site	NM
SV-03D	On-site	NM
SV-04S	On-site	NM
SV-04D	On-site	NM
SV-05D	On-site	NM
SV-06S	On-site	NM
SV-06D	On-site	NM
SV-07D	On-site	NM
SV-08D	On-site	NM
SV-09D	On-site	NA
SV-10D	On-site	NM
SV-12D	On-site	NM
SV-13D	On-site	NM
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM

Well ID	Location	Jan-09
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	NM
SV-22	On-site	NM
SV-23	On-site	NM
SV-24	On-site	NM
SV-25	On-site	NM
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
\$V-29	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SVE-1	On-site	13.00
SVE-2	On-site	12.00
SVE-3	On-site	18.00
SVE-4	On-site	18.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

Total VOCs -\*-Chloroform +-1,1,1-TCA TCE. **■** PCE THE COMMISSION OF THE COMMISSI 12/13/2008 10/13/2008 8/13/2008 6/13/2008 4/13/2008 2/13/2008 12/13/2007 10/13/2007 A 8/13/2007 6/13/2007 4/13/2007 24-Hour Operation Started 7/17/07 2/13/2007 12/13/2006 10/13/2006 8/13/2006 9/13/2006 4/13/2006 200 0 3,000 2,500 2,000 1,500 Mass Removal (lb)

Figure 1. Cumulative Mass Removal

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Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 13, 2009

# DELPHI

March 13, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report – February 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of February 2009.

#### **SVE System Update**

Operating time of the system for the month of January was 739.7 hours and translates to an uptime of 99.4%. Total operating time of the system through January 2009 has been 15,815 hours. Since full time 24-hour operation of the SVE system, operating time has been 13,176 hours and translates to an uptime of 98.6%.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in February 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (February 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 13, 2009

The SVE system has removed approximately 2,644 lbs of total VOCs since the system start date to the end of February 2009. During the month of February 2009, approximately 16 lbs of VOCs were extracted by the system.

### Additional Work Performed (February 2009)

The additional work presented in the January 2009 report was conducted. The performed work scope included additional investigation to further evaluate soil conditions at the site. Also, nine new soil vapor monitoring points were installed and four damaged monitoring points were replaced. Delphi intends to use the analytical data to evaluate possible system upgrades to facilitate additional mass removal while assuring continued control of migration of soil vapor.

Please contact John Ridd at (937) 356-2445 or myself at (248) 813-1428 if you have any questions or require additional information.

Sincerely,

James Hunt

Manager, Global Remediation Services

Delphi Corporation

Enclosures:

Table

1 January 2009 SVE Vacuum Monitoring

**Figures** 

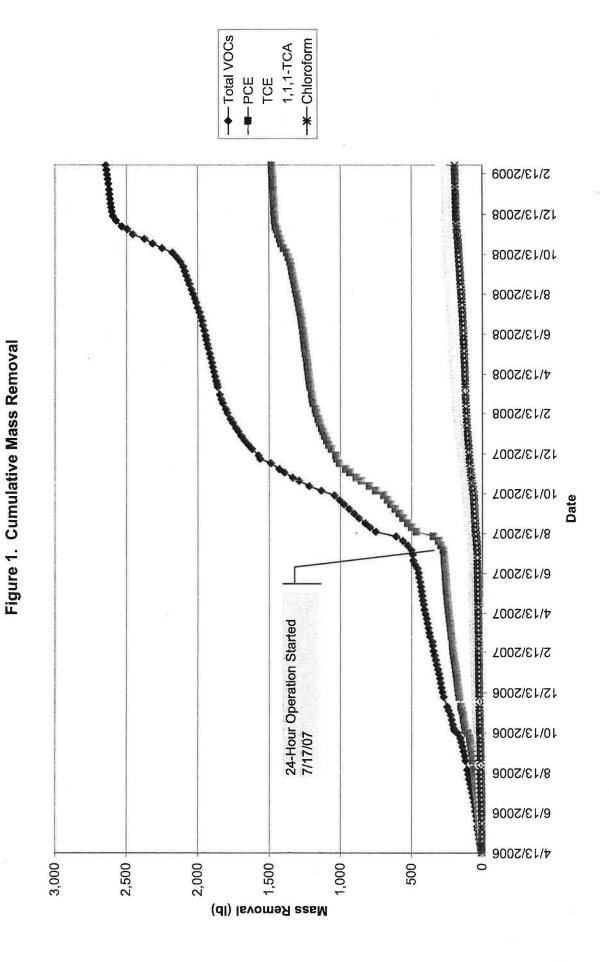
1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
Feb-09

Well ID	Location	Jan-09
SV-01S	On-site	0.01
SV-01D	On-site	0.34
SV-02S	On-site	0.00
SV-02D	On-site	0.18
SV-03S	On-site	0.00
SV-03D	On-site	0.60
SV-04S	On-site	0.00
SV-04D	On-site	0.24
SV-05D	On-site	0.32
SV-06S	On-site	0.00
SV-06D	On-site	0.00
SV-07D	On-site	0.09
SV-08D	On-site	NA
SV-09D	On-site	0.12
SV-10D	On-site	0.00
SV-12D	On-site	0.16
SV-13D	On-site	0.10
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	NM

Well ID	Location	Jan-09
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.05
SV-22	On-site	1.50
SV-23	On-site	1.25
SV-24	On-site	1.10
SV-25	On-site	0.62
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SVE-1	On-site	12.00
SVE-2	On-site	12.00
SVE-3	On-site	18.00
SVE-4	On-site	17.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well



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April 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report -March 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of March 2009.

#### **SVE System Update**

Operating time of the system for the month of March was 739.8 hours and translates to an uptime of 99.4%. Total operating time of the system through March 2009 has been approximately 17,223 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 14,584 hours and translates to an uptime of approximately 98.6%.

#### Vacuum Area of Influence

Vacuum measurements were collected from onsite and offsite vapor extraction points in March 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

#### Performance Evaluation (March 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,663 lbs of total VOCs since the system start date to the end of March 2009. During the month of March 2009, approximately 19 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report March 15, 2009

#### **Additional Work Performed**

Delphi is currently reviewing data collected during the additional investigation to further evaluate soil conditions at the site. Data from the nine new soil vapor monitoring points and four replaced monitoring points is reported in Table 1 and Figure 2. As previously reported, Delphi intends to use the analytical data to evaluate possible system upgrades to facilitate additional mass removal while assuring continued control of migration of soil vapor.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

W. John Lidd

Enclosures:

Table

1 January 2009 SVE Vacuum Monitoring

### Figures

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Extraction Contours

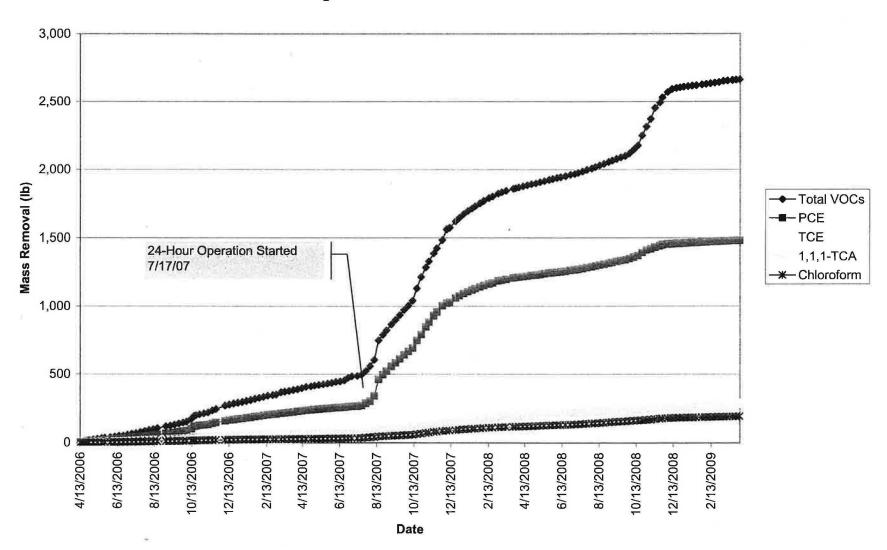
Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
March 2009

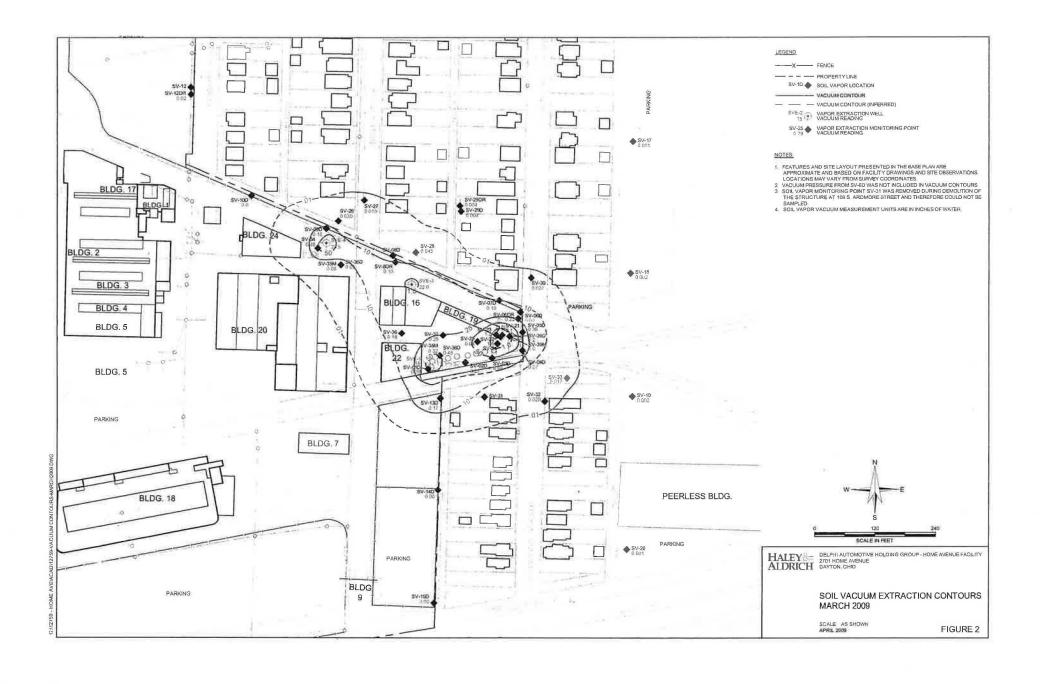
Well ID	Location	Mar-09
SV-01S	On-site	0.08
SV-01D	On-site	0.38
SV-02S	On-site	0.00
SV-02D	On-site	0.27
SV-03S	On-site	0.00
SV-03D	On-site	0.56
SV-04S	On-site	0.05
SV-04D	On-site	0.27
SV-05D	On-site	0.36
SV-06S	On-site	0.00
SV-6DR	On-site	0.23
SV-06D	On-site	NM
SV-07D	On-site	0.10
SV-08DR	On-site	0.10
SV-09D	On-site	0.16
SV-10D	On-site	0,00
SV-12DR	On-site	0.02
SV-13D	On-site	0.17
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.00
SV-18	Off-site	0.00
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	2.10

Well ID	Location	Mar-09
SV-22	On-site	1.60
SV-23	On-site	1.20
SV-24	On-site	1.10
SV-25	On-site	0.64
SV-26	Off-site	0.02
SV-27	Off-site	0.02
SV-28	Off-site	0.05
SV-29	Off-site	NM
SV-29DR	Off-site	0.00
SV-30	Off-site	0.03
SV-32	Off-site	0.02
SV-33	Off-site	0.02
SV-34	On-site	0.46
SV-35M	On-site	0.08
SV-35D	On-site	0.09
SV-36	On-site	0.18
SV-37	On-site	0.25
SV-38M	On-site	0.32
SV-38D	On-site	0.48
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	14.00
VE-2	On-site	12.00
VE-3	On-site	22.00
VE-4	On-site	20.50

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

Figure 1. Cumulative Mass Removal





May 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report –April 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of April 2009.

### **SVE System Update**

Operating time of the system for the month of April was 717.6 hours and translates to an uptime of 99.7 %. Total operating time of the system through April 2009 has been approximately 17,941hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 15,301 hours and translates to an uptime of approximately 98.7%.

### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in April 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (April 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,673 lbs of total VOCs since the system start date to the end of April 2009. During the month of April 2009, approximately 10 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report May 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

Enclosures:

Table

1 April 2009 SVE Vacuum Monitoring

Figures

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in Inches of water)
April 2009

Well ID	Location	Apr-09
SV-01S	On-site	0.09
SV-01D	On-site	0.41
SV-02S	On-site	0.02
SV-02D	On-site	0.19
SV-03S	On-site	0.00
SV-03D	On-site	0.60
SV-04S	On-site	0.00
SV-04D	On-site	0.28
SV-05D	On-site	0.37
SV-06S	On-site	NM
SV-6DR	On-site	0.23
SV-06D	On-site	NM
SV-07D	On-site	0.10
SV-08DR	On-site	0.10
SV-09D	On-site	0.13
SV-10D	On-site	0.01
SV-12DR	On-site	NM
SV-13D	On-site	0.19
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.10

Well ID	Location	Apr-09
SV-22	On-site	1.60
SV-23	On-site	1.30
SV-24	On-site	1.20
SV-25	On-site	0.70
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.43
SV-35M	On-site	0.05
SV-35D	On-site	0.08
SV-36	On-site	0.21
SV-37	On-site	0.30
SV-38M	On-site	0.39
SV-38D	On-site	0.52
SV-39M	On-site	1.10
SV-39D	On-site	1.30
VE-1	On-site	13.00
VE-2	On-site	12.00
VE-3	On-site	20.00
VE-4	On-site	20.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

500

4/13/2006

6/13/2006

8/13/2006

10/13/2006

12/13/2006

2/13/2007

4/13/2007

6/13/2007

8/13/2007

10/13/2007

12/13/2007

2/13/2008

4/13/2008

6/13/2008

8/13/2008

10/13/2008

12/13/2008

2/13/2009

4/13/2009

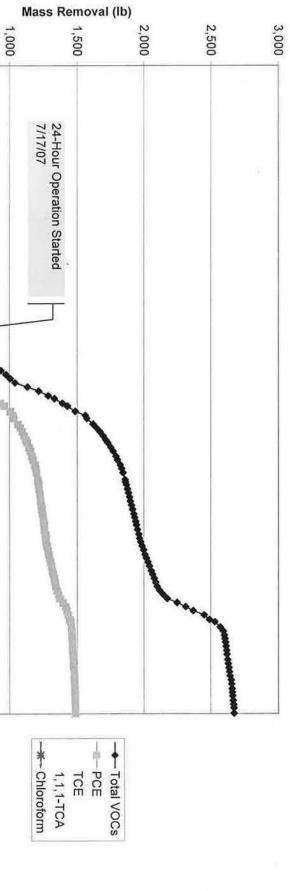


Figure 1. Cumulative Mass Removal

June 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report – May 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of May 2009.

### **SVE System Update**

Operating time of the system for the month of May was 736.2 hours and translates to an uptime of 99.0 %. Total operating time of the system through May 2009 has been approximately 18,676.8 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 16,037 hours and translates to an uptime of approximately 98.7%. The SVE system was shut down on May 9, 2009 for approximately 7 hrs due to a power interruption.

### Vacuum Area of Influence

Vacuum measurements were collected from onsite vapor extraction points in May 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (May 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,683 lbs of total VOCs since the system start date to the end of May 2009. During the month of May 2009, approximately 10 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report June 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

Enclosures:

Table

1 May 2009 SVE Vacuum Monitoring

**Figures** 

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
May 2009

Well ID	Location	May-09
SV-01S	On-site	0.10
SV-01D	On-site	0.41
SV-02S	On-site	0.04
SV-02D	On-site	0.23
SV-03S	On-site	0.01
SV-03D	On-site	0.56
SV-04S	On-site	0.05
SV-04D	On-site	0.20
SV-05D	On-site	0.33
SV-06S	On-site	NM
SV-6DR	On-site	0.02
SV-06D	On-site	NM
SV-07D	On-site	0.06
SV-08DR	On-site	0.12
SV-09D	On-site	0.21
SV-10D	On-site	0.00
SV-12DR	On-site	0.01
SV-13D	On-site	0.18
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.00

Well ID	Location	May-09
SV-22	On-site	1.50
SV-23	On-site	1.20
SV-24	On-site	1.10
SV-25	On-site	0.66
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.66
SV-35M	On-site	0.07
SV-35D	On-site	0.09
SV-36	On-site	0.24
SV-37	On-site	0.30
SV-38M	On-site	0.38
SV-38D	On-site	0.52
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	14.00
VE-2	On-site	10.00
VE-3	On-site	17.00
VE-4	On-site	17.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

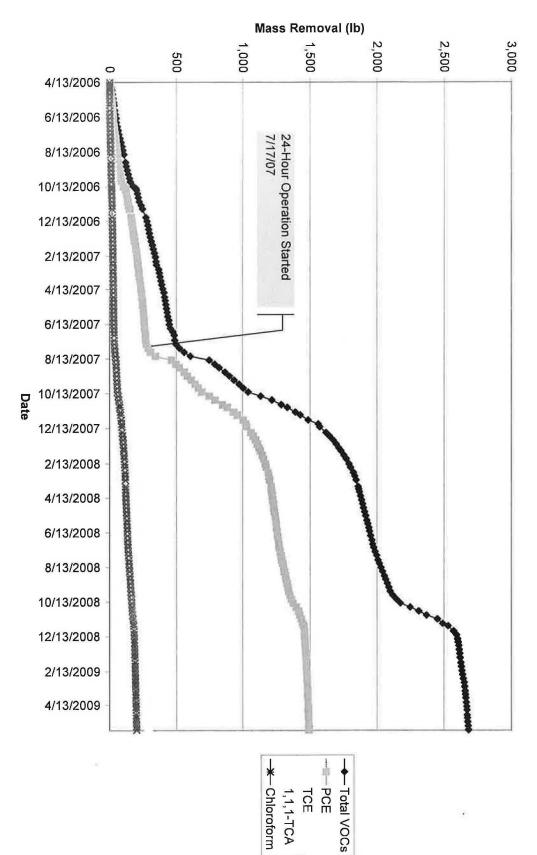


Figure 1. Cumulative Mass Removal

July 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report –June 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of June 2009.

### **SVE System Update**

Operating time of the system for the month of June was 719.3 hours and translates to an uptime of 99.9%. Total operating time of the system through June 2009 has been approximately 19,396 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 16,757 hours and translates to an uptime of 98.7%.

#### Vacuum Area of Influence

Vacuum measurements were collected from on and offsite vapor extraction points in June 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

# Performance Evaluation (June 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,698 lbs of total VOCs since the system start date to the end of June 2009. During the month of June 2009, approximately 12 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report July 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

## Enclosures:

# Table

1 June 2009 SVE Vacuum Monitoring

# **Figures**

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Contours

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
June 2009

Well ID	Location	Jun-09
SV-01S	On-site	0.12
SV-01D	On-site	0.43
SV-02S	On-site	0.03
SV-02D	On-site	0.21
SV-03S	On-site	0.00
SV-03D	On-site	0.53
SV-04S	On-site	0.00
SV-04D	On-site	0.20
SV-05D	On-site	0.33
SV-06S	On-site	NM
SV-6DR	On-site	0.21
SV-06D	On-site	NM
SV-07D	On-site	0.00
SV-08DR	On-site	0.08
SV-09D	On-site	0.20
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.16
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.01
SV-18	Off-site	0.01
SV-19	Off-site	0.00
SV-20	Off-site	0.02
SV-21	On-site	2.00

Well ID	Location	Jun-09
SV-22	On-site	1.50
SV-23	On-site	1.20
SV-24	On-site	1.10
SV-25	On-site	0.62
SV-26	Off-site	0.02
SV-27	Off-site	0.01
SV-28	Off-site	0.05
SV-29	Off-site	NM
SV-29DR	Off-site	0.03
SV-30	Off-site	0.02
SV-32	Off-site	0.01
SV-33	Off-site	0.00
SV-34	On-site	0.64
SV-35M	On-site	0.03
SV-35D	On-site	0.06
SV-36	On-site	0.21
SV-37	On-site	0.30
SV-38M	On-site	0.37
SV-38D	On-site	0.52
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	NM
VE-2	On-site	NM
VE-3	On-site	NM
VE-4	On-site	NM

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

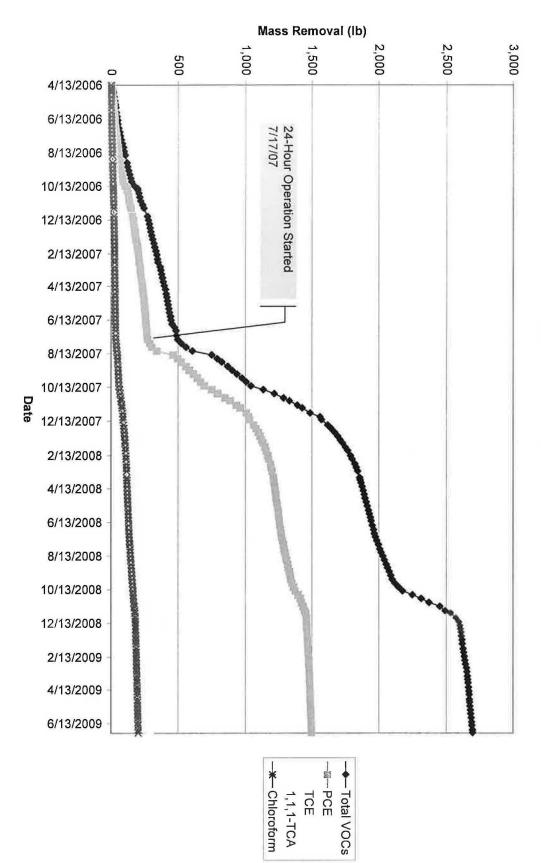
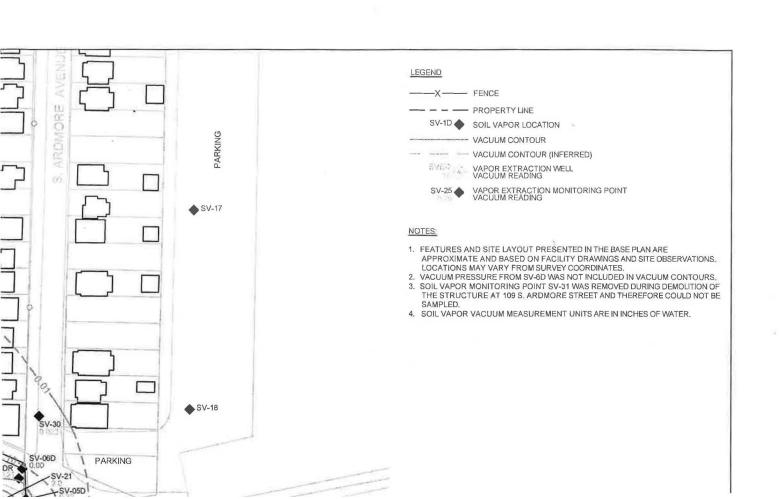


Figure 1. Cumulative Mass Removal



August 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report –July 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of July 2009.

#### **SVE System Update**

Operating time of the system for the month of June was 465 hours and translates to an uptime of 63%. Total operating time of the system through July 2009 has been approximately 19,861 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 17,221 hours and translates to an uptime of 97.2%.

#### Vacuum Area of Influence

Vacuum measurements were collected from on site vapor extraction points in July 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

#### Performance Evaluation (July 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,709 lbs of total VOCs since the system start date to the end of July 2009. During the month of July 2009, approximately 11 lbs of VOCs were extracted by the system.

During the time frame of July 9 and July 14 the facility demolished a partial portion of the building that houses the SVE unit, at which time power to the SVE unit was cut so the work could be conducted safely. In addition, a power surge occurred that necessitated the

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report August 15, 2009

repairs of the power supply at the facility. Unknown to system operators, during this time the SVE unit was not operational from July 20 to July 28. These two events resulted in the unusually high downtime of the unit.

To minimize downtime in the future, Delphi plans to install an uninterrupted power supply at the SVE unit. This will enable the auto-dialer that is integrated into the system to notify a system operator that there has been a power supply loss so appropriate measures can be undertaken to re-start the system.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager Delphi Corporation

Enclosures:

Table

1 July 2009 SVE Vacuum Monitoring

**Figures** 

1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
July 2009

Well ID	Location	Jul-09
SV-01S	On-site	0.13
SV-01D	On-site	0.42
SV-02S	On-site	0.00
SV-02D	On-site	0.12
SV-03S	On-site	NA
SV-03D	On-site	NA
SV-04S	On-site	0.15
SV-04D	On-site	0.26
SV-05D	On-site	0.30
SV-06S	On-site	NM
SV-6DR	On-site	0.23
SV-06D	On-site	NM
SV-07D	On-site	0.00
SV-08DR	On-site	0.12
SV-09D	On-site	0.18
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.18
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.10

Well ID	Location	Jul-09
SV-22	On-site	1.60
SV-23	On-site	1.70
SV-24	On-site	1.20
SV-25	On-site	0.70
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.54
SV-35M	On-site	0.00
SV-35D	On-site	0.10
SV-36	On-site	0.27
SV-37	On-site	0.35
SV-38M	On-site	0.45
SV-38D	On-site	0.58
SV-39M	On-site	0.94
SV-39D	On-site	1.20
VE-1	On-site	NM
VE-2	On-site	NM
VE-3	On-site	NM
VE-4	On-site	NM

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

2,500
2,000
2,000
2,000
2,1,500
24-Hour Operation Started 7/17/07
1,000
500

2/13/2008

4/13/2008

6/13/2008

4/13/2009

6/13/2009

2/13/2009

10/13/2008

8/13/2008

12/13/2008

Figure 1. Cumulative Mass Removal

2/13/2007

4/13/2007

6/13/2007

8/13/2007

10/13/2007

12/13/2007

Date

8/13/2006

10/13/2006

12/13/2006

4/13/2006

6/13/2006

September 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report –August 2009 Delphi - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the Delphi Home Avenue facility for the month of August 2009.

### **SVE System Update**

Operating time of the system for the month of August was 741.7 hours and translates to an uptime of 99.7 %. Total operating time of the system through August 2009 has been approximately 20,602 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 17,963 hours and translates to an uptime of 97.3%.

### Vacuum Area of Influence

Vacuum measurements were collected from on site vapor extraction points in August 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (July 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,728 lbs of total VOCs since the system start date to the end of August 2009. During the month of August 2009, approximately 18 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report September 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

Project Manager

Delphi Corporation

W. John Lidd

Enclosures:

Table

1 August 2009 SVE Vacuum Monitoring

**Figures** 

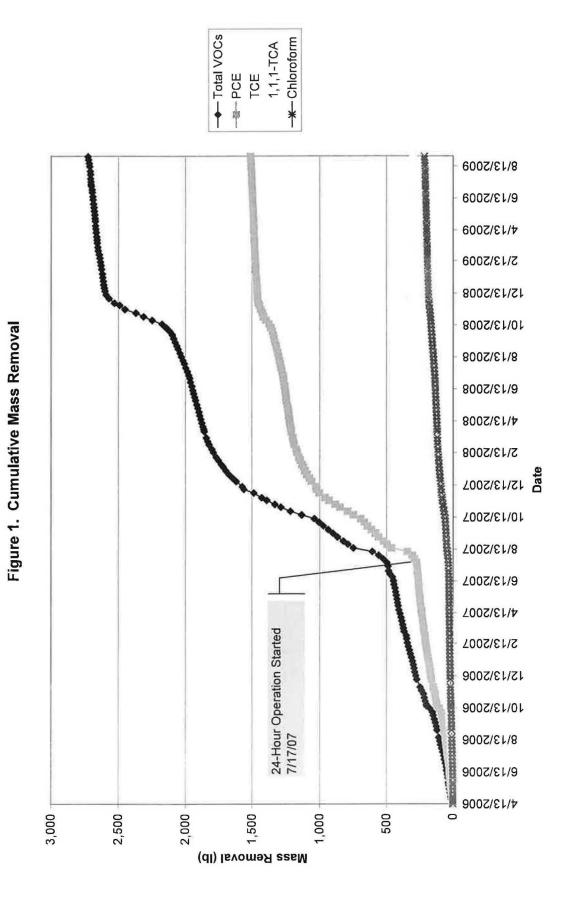
1 Cumulative Mass Removal Chart

Table 1
Delphi - Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
August

Well ID	Location	Jul-09
SV-01S	On-site	0.12
SV-01D	On-site	0.44
SV-02S	On-site	0.05
SV-02D	On-site	0.22
SV-03S	On-site	0.02
SV-03D	On-site	0.33
SV-04S	On-site	0.00
SV-04D	On-site	0.23
SV-05D	On-site	0.28
SV-06S	On-site	NM
SV-6DR	On-site	0.21
SV-06D	On-site	NM
SV-07D	On-site	0.10
SV-08DR	On-site	0.10
SV-09D	On-site	0.20
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.18
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.00

Well ID	Location	Jul-09
SV-22	On-site	1.50
SV-23	On-site	1.10
SV-24	On-site	1.10
SV-25	On-site	0.66
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.58
SV-35M	On-site	0.07
SV-35D	On-site	0.11
SV-36	On-site	0.23
SV-37	On-site	0.31
SV-38M	On-site	0.40
SV-38D	On-site	0.56
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	13.00
VE-2	On-site	11.00
VE-3	On-site	18.00
VE-4	On-site	17.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well



G:\Projects\12759 Home Ave\0&M\2007-0712-SVE Mass RecoveryR3\_TMV.xls

# **DPH Holdings Corporation**

October 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report –September 2009 DPH Holdings Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the DPH Holdings Home Avenue facility for the month of September 2009.

## **SVE System Update**

Operating time of the system for the month of September was 717.5 hours and translates to an uptime of 99.6 %. Total operating time of the system through September 2009 has been approximately 21,320 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 18,681 hours and translates to an uptime of 97.4%.

#### Vacuum Area of Influence

Vacuum measurements were collected from on-site and off-site vapor extraction points in September 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

### Performance Evaluation (September 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,751 lbs of total VOCs since the system start date to the end of September 2009. During the month of September 2009, approximately 23 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report October 15, 2009

In addition, DPH Holdings has scheduled the installation of the uninterruptible power supply to facilitate contact with an operator in the event that there is a power loss to the system. This work is scheduled to occur the first week of October.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd Project Manager

W. John Lidd

**DPH Holdings Corporation** 

#### Enclosures:

### Table

1 September 2009 SVE Vacuum Monitoring

# **Figures**

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Contours

Table 1
DPH Holdings Corporation Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
September

Well ID	Location	Sep-09
SV-01S	On-site	0.11
SV-01D	On-site	0.42
SV-02S	On-site	0.03
SV-02D	On-site	0.20
SV-03S	On-site	0.00
SV-03D	On-site	0.34
SV-04S	On-site	0.09
SV-04D	On-site	0.20
SV-05D	On-site	0.23
SV-06S	On-site	NM
SV-6DR	On-site	0.18
SV-06D	On-site	NM
SV-07D	On-site	0.10
SV-08DR	On-site	0.09
SV-09D	On-site	0.18
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.15
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	NA
SV-18	Off-site	0.01
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	1.90

Well ID	Location	Sep-09
SV-22	On-site	1.40
SV-23	On-site	1.10
SV-24	On-site	1.10
SV-25	On-site	0.60
SV-26	Off-site	0.02
SV-27	Off-site	0.01
SV-28	Off-site	0.04
SV-29	Off-site	NM
SV-29DR	Off-site	0.00
SV-30	Off-site	0.00
SV-32	Off-site	0.01
SV-33	Off-site	0.00
SV-34	On-site	0.66
SV-35M	On-site	0.04
SV-35D	On-site	0.10
SV-36	On-site	0.20
SV-37	On-site	0.26
SV-38M	On-site	0.35
SV-38D	On-site	0.10
SV-39M	On-site	0.90
SV-39D	On-site	1.10
VE-1	On-site	13.00
VE-2	On-site	10.00
VE-3	On-site	17.00
VE-4	On-site	17.50

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

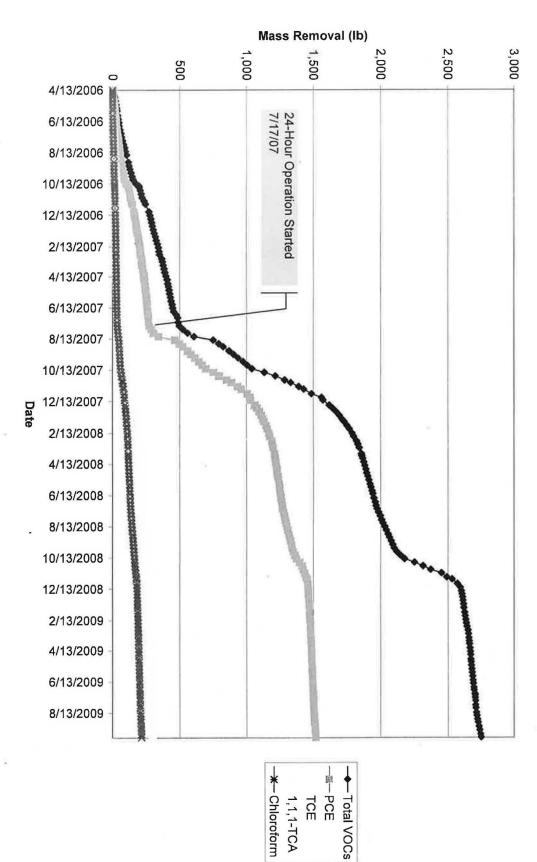
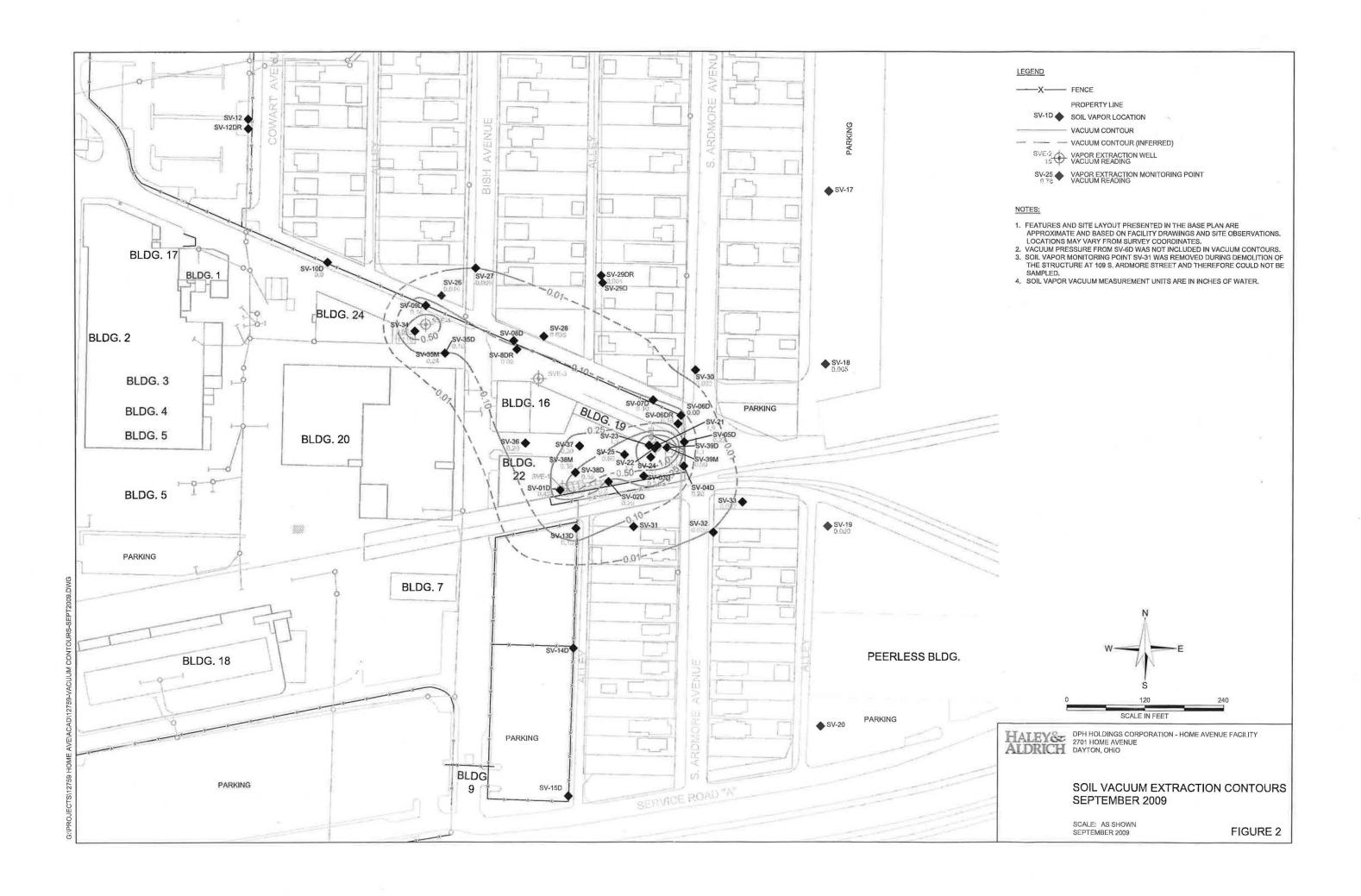


Figure 1. Cumulative Mass Removal



## **DPH Holdings Corporation**

November 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report - October 2009

DPH Holdings - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the DPH Holdings Home Avenue facility for the month of October 2009.

#### **SVE System Update**

Operating time of the system for the month of October was 731.0 hours and translates to an uptime of 98.3 %. Total operating time of the system through October 2009 has been approximately 22,051 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 19,418 hours and translates to an uptime of 97.4%.

#### Vacuum Area of Influence

Vacuum measurements were collected from on site vapor extraction points in October 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

#### Performance Evaluation (October 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,765 lbs of total VOCs since the system start date to the end of October 2009. During the month of October 2009, approximately 14 lbs of VOCs were extracted by the system.

On October 9th the primary blower on the SVE system seized and discontinued operating. The system was immediately switched to the secondary blower and operation was continued using

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report November 15, 2009

this blower until the primary blower was replaced on October 19th. Operation was then switched back to the primary blower.

During the first week of October an uninterruptable power supply was installed to enable the autodialer to notify an operator if there is a power interruption to the system.

Please contact John Ridd at (937) 356-2445 if you have any questions or require additional information.

Sincerely

John Brooks

President

**DPH Holdings Corporation** 

Enclosures:

Table

1 October 2009 SVE Vacuum Monitoring

Figures

Cumulative Mass Removal Chart

cc: W. John Ridd

Table 1
DPH Holdings Corporation Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
October

Well ID	Location	Oct-09
SV-01S	On-site	0.06
\$V-01D	On-site	0.21
SV-02S	On-site	0.03
SV-02D	On-site	0.14
SV-03S	On-site	0.00
SV-03D	On-site	0.41
SV-04S	On-site	0.01
SV-04D	On-site	0.18
SV-05D	On-site	0.21
SV-06S	On-site	NM
SV-6DR	On-site	0.16
SV-06D	On-site	NM
SV-07D	On-site	0.08
SV-08DR	On-site	0.08
SV-09D	On-site	0.16
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.10
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.00

Well ID	Location	Oct-09
SV-22	On-site	1.20
SV-23	On-site	0.36
SV-24	On-site	0.80
SV-25	On-site	0.42
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.52
SV-35M	On-site	0.06
SV-35D	On-site	0.09
SV-36	On-site	0.10
SV-37	On-site	0.18
SV-38M	On-site	0.20
SV-38D	On-site	0.29
SV-39M	On-site	0.58
SV-39D	On-site	0.86
VE-1	On-site	11.00
VE-2	On-site	13.00
VE-3	On-site	19.00
VE-4	On-site	18.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

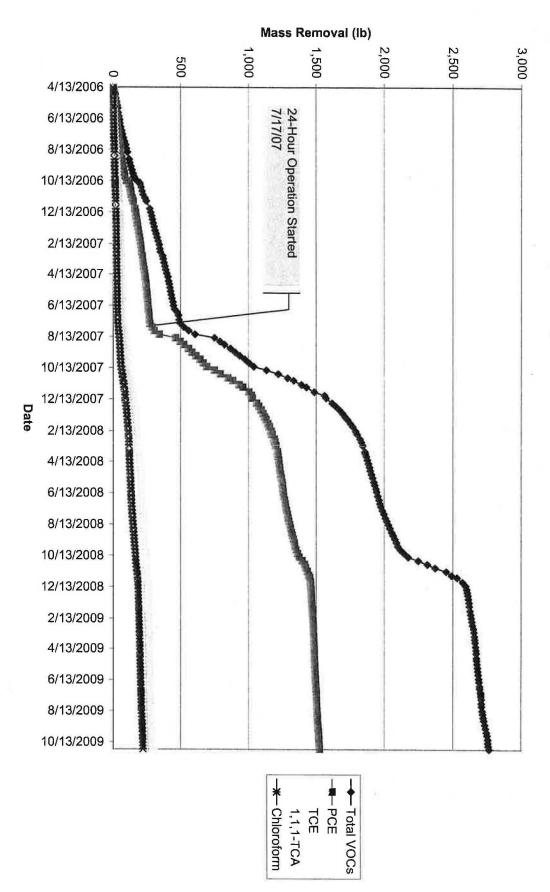


Figure 1. Cumulative Mass Removal

# **DPH Holdings Corporation**

December 15, 2009

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report –November 2009 DPH Holdings - Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the DPH Holdings Home Avenue facility for the month of November 2009.

### **SVE System Update**

Operating time of the system for the month of November was 709.0 hours and translates to an uptime of 98%. Total operating time of the system through November 2009 has been approximately 22,760 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 20,121 hours and translates to an uptime of 97.5%.

### Vacuum Area of Influence

Vacuum measurements were collected from on site vapor extraction points in November 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (November 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,765 lbs of total VOCs since the system start date to the end of November 2009. During the month of November 2009, approximately 14 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report December 15, 2009

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

As an agent for DPH Holdings Corporation

Enclosures:

Table

1 November 2009 SVE Vacuum Monitoring

**Figures** 

1 Cumulative Mass Removal Chart

Table 1
DPH Holdings Corporation Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
November

Well ID	Location	Nov-09
SV-01S	On-site	0.09
SV-01D	On-site	0.20
SV-02S	On-site	0.04
SV-02D	On-site	0.24
SV-03S	On-site	0.00
SV-03D	On-site	0.60
SV-04S	On-site	0.22
SV-04D	On-site	0.26
SV-05D	On-site	0.30
SV-06S	On-site	NM
SV-6DR	On-site	0.00
SV-06D	On-site	NM
SV-07D	On-site	0.10
SV-08DR	On-site	0.11
SV-09D	On-site	0.26
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.15
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.00

Well ID	Location	Nov-09
SV-22	On-site	1.50
SV-23	On-site	1.20
SV-24	On-site	1.10
SV-25	On-site	0.66
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.86
SV-35M	On-site	0.04
SV-35D	On-site	0.12
SV-36	On-site	0.19
SV-37	On-site	0.28
SV-38M	On-site	0.35
SV-38D	On-site	0.49
SV-39M	On-site	0.92
SV-39D	On-site	1.20
VE-1	On-site	13.00
VE-2	On-site	12.00
VE-3	On-site	20.00
VE-4	On-site	19.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

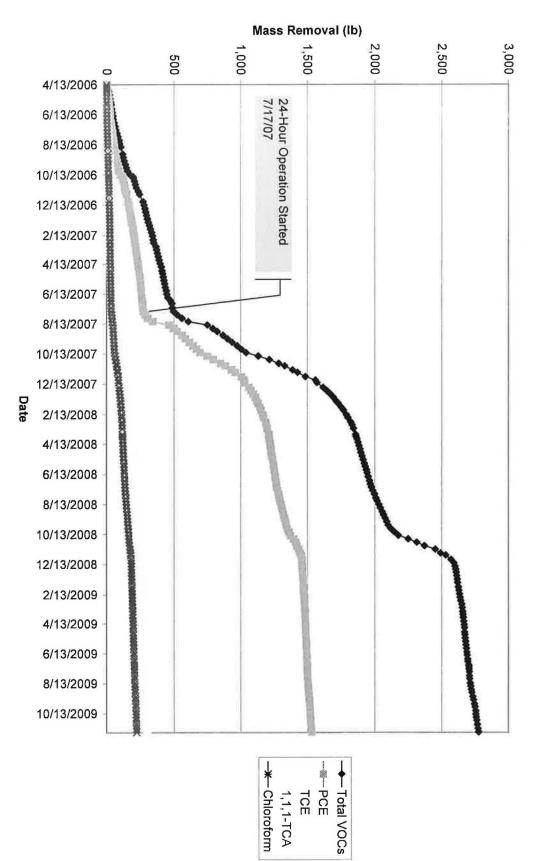


Figure 1. Cumulative Mass Removal

## **DPH Holdings Corporation**

January 15, 2010

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report -December 2009 DPH Holdings Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the DPH Holdings Home Avenue facility for the month of December 2009.

### **SVE System Update**

Operating time of the system for the month of December was 741 hours and translates to an uptime of 99.6 %. Total operating time of the system through December 2009 has been approximately 23,501 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 20,861 hours and translates to an uptime of 97.5%.

### Vacuum Area of Influence

Vacuum measurements were collected from on-site and off-site vapor extraction points in December 2009. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1. Vacuum contours are depicted on Figure 2 and indicate a capture zone of soil vapor extending beyond the facility fence line to the areas north, east, and south.

### Performance Evaluation (December 2009)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,791 lbs of total VOCs since the system start date to the end of December 2009. During the month of December 2009, approximately 13 lbs of VOCs were extracted by the system.

Ohio Environmental Protection Agency, SWDO Soil Vapor Extraction Monthly Report January 15, 2010

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

As an agent for DPH Holdings Corporation

### Enclosures:

### Table

1 December 2009 SVE Vacuum Monitoring

## **Figures**

- 1 Cumulative Mass Removal Chart
- 2 Soil Vacuum Contours

Table 1
DPH Holdings Corporation Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
December

Well ID	Location	Dec-09
SV-01S	On-site	0.33
SV-01D	On-site	0.35
SV-02S	On-site	0.02
SV-02D	On-site	0.34
SV-03S	On-site	0.00
SV-03D	On-site	0.66
SV-04S	On-site	0.15
SV-04D	On-site	0.31
SV-05D	On-site	0.37
SV-06S	On-site	NM
SV-6DR	On-site	0.27
SV-06D	On-site	NM
SV-07D	On-site	0.14
SV-08DR	On-site	0.10
SV-09D	On-site	0.22
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.20
SV-14D	On-site	0.00
SV-15D	On-site	0.00
SV-17	Off-site	0.01
SV-18	Off-site	0.00
SV-19	Off-site	0.00
SV-20	Off-site	0.00
SV-21	On-site	2.40

Well ID	Location	Dec-09
SV-22	On-site	1.60
SV-23	On-site	1.30
SV-24	On-site	1.20
SV-25	On-site	0.72
SV-26	Off-site	0.04
SV-27	Off-site	0.03
SV-28	Off-site	0.05
SV-29	Off-site	NM
SV-29DR	Off-site	0.00
SV-30	Off-site	0.01
SV-32	Off-site	0.01
SV-33	Off-site	0.01
SV-34	On-site	0.60
SV-35M	On-site	0.05
SV-35D	On-site	0.10
SV-36	On-site	0.20
SV-37	On-site	0.33
SV-38M	On-site	0.37
SV-38D	On-site	0.54
SV-39M	On-site	1.00
SV-39D	On-site	1.30
VE-1	On-site	15.00
VE-2	On-site	13.00
VE-3	On-site	22.00
VE-4	On-site	22.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

500

4/13/2006

6/13/2006

8/13/2006

10/13/2006

12/13/2006

2/13/2007

4/13/2007

6/13/2007

8/13/2007

10/13/2007

12/13/2007

2/13/2008

4/13/2008

6/13/2008

8/13/2008

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6/13/2009

8/13/2009

10/13/2009

12/13/2009

Date

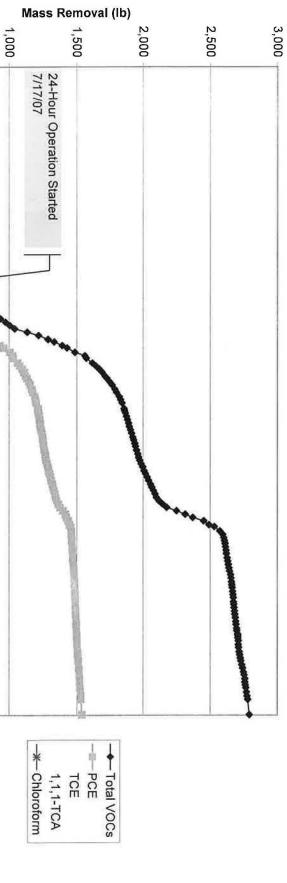
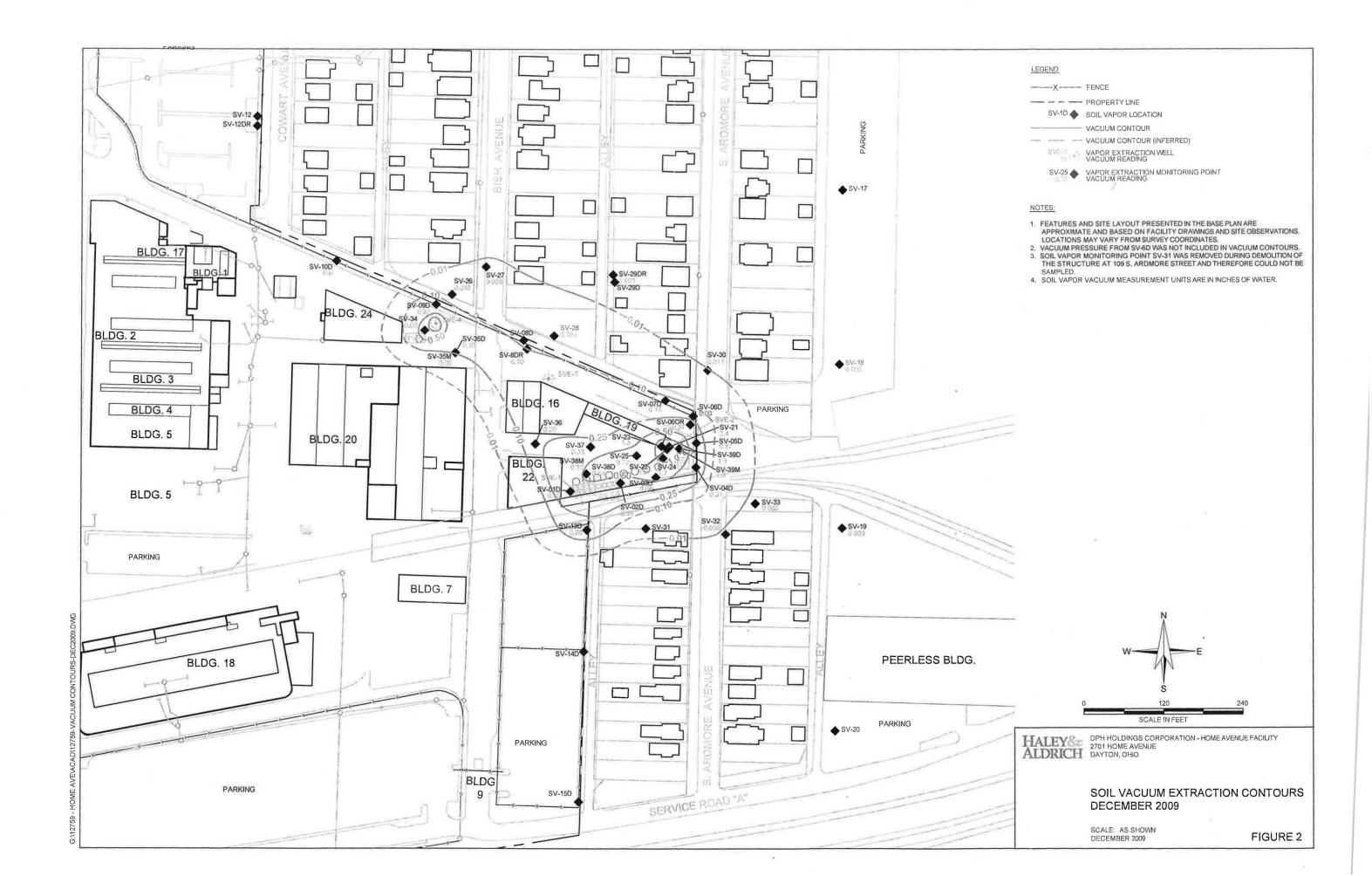


Figure 1. Cumulative Mass Removal



# **DPH Holdings Corp.**

February 15, 2010

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report -January 2010

DPH Holdings Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the DPH Holdings Home Avenue facility for the month of January 2010.

### **SVE System Update**

Operating time of the system for the month of January was 738 hours and translates to an uptime of 99.6 %. Total operating time of the system through January 2010 has been approximately 24,239 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 21,599 hours and translates to an uptime of 97.6%.

### Vacuum Area of Influence

Vacuum measurements were collected from on site vapor extraction points in January 2010. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

## Performance Evaluation (January 2010)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,808 lbs of total VOCs since the system start date to the end of January 2010. During the month of January 2010, approximately 17 lbs of VOCs were extracted by the system.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

As an agent for DPH Holdings Corp.

### Enclosures:

## **Table**

1 January 2010 SVE Vacuum Monitoring

## **Figures**

1 Cumulative Mass Removal Chart

Table 1
DPH Holdings Corp. Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
January

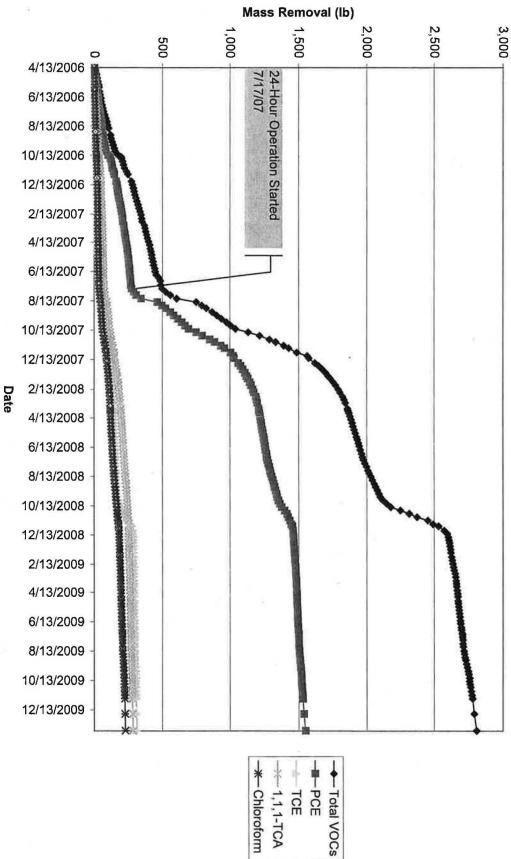
Well ID	Location	Dec-09
SV-01S	On-site	0.08
SV-01D	On-site	0.37
SV-02S	On-site	0.00
SV-02D	On-site	0.31
SV-03S	On-site	0.00
SV-03D	On-site	0.60
SV-04S	On-site	0.20
SV-04D	On-site	0.30
SV-05D	On-site	0.39
SV-06S	On-site	NM
SV-6DR	On-site	0.26
SV-06D	On-site	NM
SV-07D	On-site	0.12
SV-08DR	On-site	0.12
SV-09D	On-site	0.20
SV-10D	On-site	0.00
SV-12DR	On-site	0.00
SV-13D	On-site	0.22
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.20

Well ID	Location	Dec-09
SV-22	On-site	1.60
SV-23	On-site	1.30
SV-24	On-site	0.00
SV-25	On-site	0.52
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	NM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	0.60
SV-35M	On-site	0.04
SV-35D	On-site	0.12
SV-36	On-site	0.21
SV-37	On-site	0.30
SV-38M	On-site	0.38
SV-38D	On-site	0.50
SV-39M	On-site	1.00
SV-39D	On-site	1.20
VE-1	On-site	15.00
VE-2	On-site	13.00
VE-3	On-site	22.00
VE-4	On-site	21.50

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well



Figure 1. Cumulative Mass Removal



# **DPH Holdings Corp.**

March 15, 2010

Ohio Environmental Protection Agency Division of Hazardous Waste Management Southwest District Office 401 East Fifth Street Dayton, OH 45402-2911

Attention:

Mr. Harold O'Connell, Supervisor

Subject:

Soil Vapor Extraction System Operations

Monthly Report – February 2010 DPH Holdings Home Avenue Facility

Dayton, Ohio

Dear Mr. O'Connell:

This submittal summarizes the operation of a soil vapor extraction (SVE) system and associated sampling activities at the DPH Holdings Home Avenue facility for the month of February 2010.

### **SVE System Update**

Operating time of the system for the month of February was 670 hours and translates to an uptime of 99.7%. Total operating time of the system through February 2010 has been approximately 24,909 hours. Since full time 24-hour operation of the SVE system, operating time has been approximately 22,269 hours and translates to an uptime of 97.7%.

#### Vacuum Area of Influence

Vacuum measurements were collected from on site vapor extraction points in February 2010. Measurements are collected using a magnehelic gauge which detects vacuum in inches of water. Vacuum measurements are reported in Table 1.

### Performance Evaluation (February 2010)

Cumulative mass removal of the four primary chemicals of concern and total VOCs are depicted on Figure 1. The SVE system has removed approximately 2,821 lbs of total VOCs since the system start date to the end of February 2010. During the month of February 2010, approximately 13 lbs of VOCs were extracted by the system.

Please contact me at (937) 356-2445 if you have any questions or require additional information.

Sincerely,

W. John Ridd

As an agent for DPH Holdings Corp.

Enclosures:

Table

1 February 2010 SVE Vacuum Monitoring

**Figures** 

1 Cumulative Mass Removal Chart

Table 1
DPH Holdings Corp. Home Avenue Facility
SVE Vacuum Monitoring (Results in inches of water)
Februay 2010

Well ID	Location	Dec-09
SV-01S	On-site	0.20
SV-01D	On-site	0.60
SV-02S	On-site	0.00
SV-02D	On-site	0.40
SV-03S	On-site	0.20
SV-03D	On-site	0.70
SV-04S	On-site	0.20
SV-04D	On-site	0.40
SV-05D	On-site	0.60
SV-06S	On-site	NM
SV-6DR	On-site	0.30
SV-06D	On-site	NM
SV-07D	On-site	0.20
SV-08DR	On-site	0.20
SV-09D	On-site	0.40
SV-10D	On-site	0.00
SV-12DR	On-site	0.20
SV-13D	On-site	0.40
SV-14D	On-site	NM
SV-15D	On-site	NM
SV-17	Off-site	NM
SV-18	Off-site	NM
SV-19	Off-site	NM
SV-20	Off-site	NM
SV-21	On-site	2.20

Well ID	Location	Dec-09
SV-22	On-site	1.60
SV-23	On-site	1.00
SV-24	On-site	1.20
SV-25	On-site	0.70
SV-26	Off-site	NM
SV-27	Off-site	NM
SV-28	Off-site	NM
SV-29	Off-site	NM
SV-29DR	Off-site	MM
SV-30	Off-site	NM
SV-32	Off-site	NM
SV-33	Off-site	NM
SV-34	On-site	1.00
SV-35M	On-site	0.20
SV-35D	On-site	0.40
SV-36	On-site	0.40
SV-37	On-site	0.50
SV-38M	On-site	0.70
SV-38D	On-site	0.60
SV-39M	On-site	1.30
SV-39D	On-site	1.00
VE-1	On-site	14.00
VE-2	On-site	12.00
VE-3	On-site	18.00
VE-4	On-site	18.00

- 1. NA No Access
- 2. NM Not Measured
- 3. VE Vapor Extraction Well

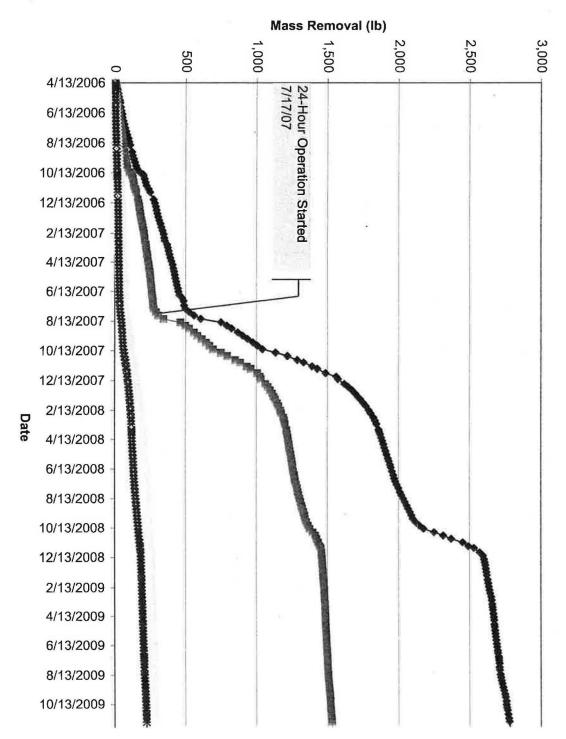


Figure 1. Cumulative Mass Removal